

Proposal # **2001-4206** (Office Use Only)

PSP Cover Sheet (Attach to the front of each proposal)

Proposal Title: Management Plan Implementation for Ecological Preserves of Butte County

Applicant Name: The CSU, Chico Research Foundation

Contact Name: Jeff Wright

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Amount of funding requested: \$ 217,691

Some entities charge different costs dependent on the source of the funds. If it is different for state or federal funds list below.

State cost \$202,469

Federal cost \$ 217,691

Cost share partners?

☒ **Yes** ☐ **No**

Identify partners and amount contributed by each CSU, Chico Instructionally Related Activities Committee
\$3,500 per year

Indicate the Topic for which you are applying (check only one box).

- | | |
|--|--|
| <input type="checkbox"/> Natural Flow Regimes | <input type="checkbox"/> Beyond the Riparian Corridor |
| <input type="checkbox"/> Nonnative Invasive Species | <input checked="" type="checkbox"/> Local Watershed Stewardship |
| <input type="checkbox"/> Channel Dynamics/Sediment Transport | <input type="checkbox"/> Environmental Education |
| <input type="checkbox"/> Flood Management | <input type="checkbox"/> Special Status Species Surveys and Studies |
| <input type="checkbox"/> Shallow Water Tidal/ Marsh Habitat | <input type="checkbox"/> Fishery Monitoring, Assessment and Research |
| <input type="checkbox"/> Contaminants | <input type="checkbox"/> Fish Screens |

What county or counties is the project located in? Butte County

What CALFED ecozone is the project located in? See attached list and indicate number. Be as specific as possible 7.5 (Big Chico Creek) and 7.6 (Butte Creek)

Indicate the type of applicant (check only one box):

- | | |
|--|---|
| <input type="checkbox"/> State agency | <input type="checkbox"/> Federal agency |
| <input type="checkbox"/> Public/Non-profit joint venture | <input type="checkbox"/> Non-profit |
| <input type="checkbox"/> Local government/district | <input type="checkbox"/> Tribes |
| <input checked="" type="checkbox"/> University | <input type="checkbox"/> Private party |
| <input type="checkbox"/> Other: _____ | |

Indicate the primary species which the proposal addresses (check all that apply):

- | | |
|--|---|
| <input type="checkbox"/> San Joaquin and East-side Delta tributaries fall-run chinook salmon | <input checked="" type="checkbox"/> Spring-run chinook salmon |
| <input type="checkbox"/> Winter-run chinook salmon | <input checked="" type="checkbox"/> Fall-run chinook salmon |
| <input type="checkbox"/> Late-fall run chinook salmon | <input type="checkbox"/> Longfin smelt |
| <input type="checkbox"/> Delta smelt | <input checked="" type="checkbox"/> Steelhead trout |
| <input type="checkbox"/> Splittail | <input type="checkbox"/> Striped bass |
| <input type="checkbox"/> Green sturgeon | <input type="checkbox"/> All chinook species |
| <input type="checkbox"/> White Sturgeon | <input type="checkbox"/> All anadromous salmonids |
| <input type="checkbox"/> Waterfowl and Shorebirds | <input type="checkbox"/> American shad |
| <input type="checkbox"/> Migratory birds | |
| <input type="checkbox"/> Other listed T/E species: _____ | |

Indicate the type of project (check only one box):

- | | |
|--|---|
| <input type="checkbox"/> Research/Monitoring | <input type="checkbox"/> Watershed Planning |
| <input checked="" type="checkbox"/> Pilot/Demo Project | <input type="checkbox"/> Education |
| <input type="checkbox"/> Full-scale Implementation | |

Is this a next-phase of an ongoing project?

Yes X

No

Have you received funding from CALFED before?

Yes X

No

If yes, list project title and CALFED number Butte Creek Watershed Road Survey #1448-11332-98-G; Butte Creek Watershed Education Project #1448-11332-98-G; Butte Creek Watershed Administration #1448-11332-98-G; Butte Creek Riparian Restoration Demonstration #114209J034; Butte Creek Watershed Educational Workshop and Field Tours #1425-99-FC-20-0021; Big Chico Creek Watershed Phase II #X-999935-01-3

Have you received funding from CVPIA before?

Yes X

No

If yes, list CVPIA program providing funding, project title and CVPIA number (if applicable):


Butte Creek Watershed Road Survey #1448-11332-98-G; Butte Creek Watershed Education Project #1448-11332-98-G; Butte Creek Riparian Protection and Restoration Project #113328G022

By signing below, the applicant declares the following:

- The truthfulness of all representations in their proposal;
- The individual signing the form is entitled to submit the application on behalf of the applicant (if the applicant is an entity or organization); and
- The person submitting the application has read and understood the conflict of interest and confidentiality discussion in the PSP (Section 2.4) and waives any and all rights to privacy and confidentiality of the proposal on behalf of the applicant, to the extent as provided in the Section.

The CSU, Chico Research Foundation

Printed name of applicant



Signature of applicant

CALFED Funding Request for Butte County Preserves Management

1. EXECUTIVE SUMMARY

Title of Project: Butte County Preserves Management
Amount Requested: \$200,000
Applicant Name: California State University, Chico Research Foundation
Address: California State University, Chico, Chico, CA 95929-0870
Phone: (530) 898-5700 FAX: (530) 898-6781
Primary Contact: Donald Holtgrieve, Ph.D. E-mail: dholtgrieve@csuchico.edu
Collaborators: CALFED, US. Fish and Wildlife Service, Wildlife Control Board, National Fish and Wildlife Federation, Packard Foundation, California State University, Chico

SUMMARY:

In 1998, the Research Foundation (Foundation) of California State University, Chico (CSU, Chico) began the development of its first nature preserve in recognizing that the key to restoring and sustaining our local chinook salmon and steelhead trout populations is based on protecting and restoring the aquatic and riparian habitats on which they depend. The Foundation purchased a 93-acre parcel on Butte Creek through funding provided by the U.S. Fish and Wildlife Service (USFWS), National Fish and Wildlife Foundation (NFWF), CALFED, and the California Wildlife Conservation Board (WCB) in December of that year. The property, named the Honey Run Unit of the Butte Creek Ecological Preserve, includes critical riparian corridor adjacent to spawning and holding pools supporting several priority species and habitats, primarily the spring-run chinook salmon and steelhead trout.

Also in 1998, a memorandum of understanding with the California Department of Fish and Game (CDFG) permitted the Foundation to manage the Virgin Valley and Canyon Units of the Butte Creek Ecological Reserve (Reserve). Since the Foundation assumed management of the Reserve, a 1998 CALFED grant has allowed the construction of a secure entry gate, development of interpretive signs, exotic plant removal, and some limited riparian planting.

Located along Big Chico Creek, the 2,724-acre Simmons Unit of the Big Chico Creek Preserve is home to over 140 different wildlife species, 13 percent of which are listed species, including Species of Special Concern. The sum of \$2,000,000 was raised in a cooperative project with River Network, the Packard Foundation, and the US Fish and Wildlife Service to purchase this property. The WCB will soon finalize funding for the additional \$1,677,000 required for purchase and protection of the property. The Packard Foundation has donated another \$64,025 to develop a management plan and endowment fund.

It is the intent of the Foundation to manage these properties on a long-term basis with endowments funded by local donors and alumni, but CALFED funds are needed to initiate the first two years of management activities for the Simmons and Honey Run Units. Funding will be used to prepare a comprehensive management plan for the Simmons Unit, maintain infrastructure of both units and provide public safety, develop of a living laboratory that offers public educational tours and activities as well as institutional and public research opportunities, prepare exotic removal plans for both units, and prepare both habitat and recreational use monitoring plans for both units. The Ecosystem Restoration Strategic Goals that will be furthered by funding of this proposal include Goal 1 (at-risk species recovery), Goal 2 (ecosystem process and biotic communities preservation and enhancement), Goal 3 (maintain harvestable species), Goal 4 (protect functional habitat types), and Goal 5 (reduce and prevent non-native invasive species).

2. PROJECT DESCRIPTION

A. Problem Statement

1. PROBLEM:

The pragmatic (rather than research) problem for this project is to successfully develop the management and educational plans of the Honey Run and Simmons Units of the CSU, Chico Preserves in order to set the stage for future restoration projects and to significantly improve the natural habitat of the threatened chinook salmon and steelhead trout populations native to Butte Creek and Big Chico Creek in Butte County, California through effective land management. Because the ecosystems of both units are similar and contain the same species, our management objectives for both properties are the same.

The long-term management goals for both units are as follows:

- Restore, protect and enhance, where appropriate, the habitat for spring-run chinook salmon and steelhead trout.
- Foster, through low-impact access and use, a living laboratory and field classroom that provides watershed education.

The proposed objectives for both units, which will be detailed in the management and restoration plans to be prepared with support from this grant, include the following:

Ecosystem Objectives

- Sustain and restore critical habitat for the endangered spring run chinook salmon and steelhead trout.
- Determine the feasibility of native habitat restoration on highly disturbed portions of the Honey Run Unit.
- Protect and maintain native aquatic and riparian habitat by assessing and removing invasive non-native plant species where necessary.

Programmatic Objectives

- Increase awareness and build a supportive constituency for the Preserves within the regional community.
- Develop a Management Advisory Team consisting of local and state agency representatives, neighboring landowners, faculty from CSU, Chico and local community colleges, and interested citizens to plan and adapt the ongoing management strategy.
- Develop a public access educational program for the preserves that will discourage vandalism, aid in ensuring appropriate use of the site, and integrate preserve management with the local community's needs.
- Promote the use of the preserve as a "laboratory" for testing and assessing management techniques and practices that will benefit anadromous fish habitat and help control invasive exotic species.

Facilities and Maintenance Objectives

- Improve existing preserves facilities. The fence regulating vehicular access to the Honey Run site has been relocated for vehicle road safety and signage has been added explaining the site restrictions while promoting the development of the Preserve.
- Signage for both sites will be added to fencing for further site restriction emphasis and to prevent unauthorized access and vandalism.
- Trail development (some of which will accommodate physically challenged persons).
- Maintenance and improvements to existing roads.
- Construct and maintain composting toilets.

- Purchase and maintain trash cans and recycling containers.
- Construct and maintain Outdoor Classroom at the Honey Run Unit (to be funded from a corporate grant).
- Construct and maintain shed for equipment and tools (to be funded from a University grant).
- Construct and maintain regulatory and welcoming signs.

The explicit purpose of this grant application is to provide funding for two years of management of the CSU, Chico preserve system, specifically the Simmons and Honey Run Units. This funding will specifically be used to complete the following tasks, all of which will be coordinated with the management advisory teams:

- Prepare an adaptive management plan for the Simmons Unit.
- Infrastructure improvements and maintenance such as repairing and replacing fencing, repairing road access, constructing and posting informational and interpretive signage, maintenance of recycling and trash receptacles, and construction and maintenance of bathroom facilities. These improvements will be monitored through public safety and resource protection patrols.
- Prepare exotics removal plans for both units.
- Prepare restoration plan for Honey Run Unit.
- Conduct institutional and public requests for proposals (RFPs) for research related to the environmental attributes and resources located on the preserves.
- Prepare habitat monitoring plans for both sites.
- Prepare educational use plans for both units. Conduct limited public educational and informational tours and activities on both sites.

2. CONCEPTUAL MODEL (see diagram):

The activities sought to be undertaken in this grant are solely to properly manage high value habitat properties until long term management, restoration and monitoring plans can be prepared. Funding is not requested here to implement the plans. Other funding sources will be sought for exotic plant removal (if necessary), restoration planting (if necessary), and monitoring. Therefore, there is no conceptual model to submit with this grant application at this time. Conceptual models, the hypothesis testing process, and adaptive management strategies will be created as part of this grant work-scope. They will be used in preparing other proposals to follow.

There is considerable literature that demonstrates the need for habitat protection through the establishment of preserves. Witness the support and success of the Sacramento River Wildlife Refuge and various preserves established by The Nature Conservancy. The importance of proper planning for on-the-ground activities and the importance of caring for existing resources until management plans are developed and implemented are obvious; nevertheless, the following publications support the nature of the work proposed in this application.

3. HYPOTHESIS BEING TESTED:

See Conceptual Model statement.

4. ADAPTIVE MANAGEMENT:

See Conceptual Model statement.

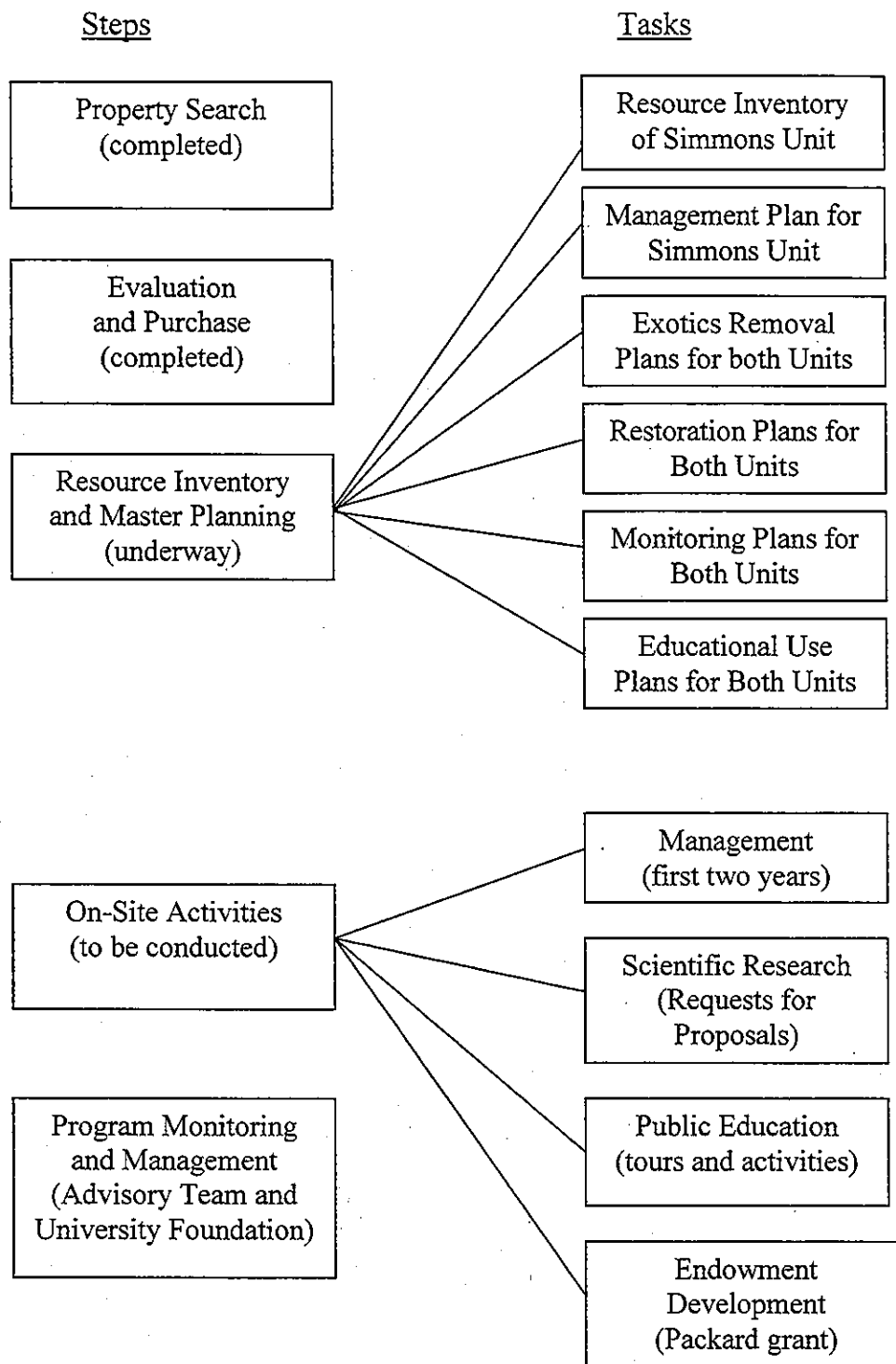
5. EDUCATIONAL OBJECTIVES:

The educational objectives of this project are tied to the vision of the preserves as a living laboratory acting as a focal point for community exploration and education. This is the place where people from all aspects of life can gather together to discuss management practices that affect their lifestyles and the

regional economy as well as the future lives of their children. Perspectives of agricultural interests, economic, governmental, environmental and educational will be included in the management advisory team in an attempt to involve the various representatives of our north valley society with local, state and federal governance and determine the management practices best suited for the protection of the preserves while satisfying the needs of the community. The sites present an opportunity for community involvement in management practices that act as living models for replication on neighboring parcels and beyond. By adapting the management plans to include consistent data analysis and the needs of the community, the sites offer examples of a flexible method of management geared towards constant improvement as new techniques are found and more community members voice their concerns and needs.

Both tasks 3 and 4 represent a strong commitment by the Foundation to manage the property as an outdoor facility for watershed and biological research, training of resource specialists, student experiences in land management practices, and environmental education and awareness of the riparian and aquatic ecosystems for participating public school teachers, their students, and interested citizens. The proximity of the preserves to CSU, Chico and Butte College, their size, their biological diversity, and their proactive management make them perfect outdoor laboratories for research on the dynamics of aquatic, riparian and upland ecosystems. The preserves will be a valuable tool for training a new generation of resource experts in the Sacramento Valley, encouraging CSU, Chico, Butte College and local schools to join forces in creating a center of excellence in resource education and management.

California State University, Chico Habitat Preserves:
Steps in Creation and Management of the Preserve System in Perpetuity



2. PROPOSED SCOPE OF WORK

1. LOCATION:

Both units are located in Butte County. The Honey Run Unit of the Butte Creek Ecological Preserve (Butte Basin ecozone 7.6 Butte Creek) is located along the lower stretch of Butte Creek Canyon in Butte County, California. It encompasses 93 acres in a rectangular tract within the topographic confines of Butte Creek Canyon, located along the northside of Butte Creek and south of Honey Run Road. A stretch of the Preserve lies along the immediate south side of Butte Creek as well. To the northeast, the upstream portion of the Preserve is bounded by private property. To the southeast, the downstream boundary meets the northern edge of the Canyon Unit, which stretches intermittently southward to Highway 99. The southern edge of the Preserve lies adjacent to large parcels of undeveloped private holdings atop and along the southern canyon walls. There has been no attempt to develop these floodplain parcels in the last twelve years, and their potential development will not affect the Preserve.

The Simmons Unit of the Chico Creek Ecological Preserve is located in Chico Creek Canyon northeast of and adjacent to Bidwell City Park. The preserve is bordered by State Highway 32 to the southeast and by private land holdings to the northeast (upstream). The northwestern boundary is beyond Musty Buck ridge in the Rock and Mud Creek watersheds and is adjacent to private grazing lands.

The Simmons Unit (Butte Basin ecozone 7.5 Big Chico Creek) is a 2,724-acre property of extraordinary biological diversity comprising 3.5 miles of Big Chico Creek Canyon. . The Big Chico Creek Preserve stretches from ridgeline to ridgeline of the Canyon, from blue oak woodland to oak/pine forest to riparian woodland, habitat for spring-run chinook salmon, steelhead, western pond turtle, yellow-legged frog, and other at-risk species. By adjoining Bidwell Park, the property extends the protected habitat of fish and wildlife along Big Chico Creek and prevents degradation of the Park by potential upstream development of the canyon. The Preserve lies outside the Chico city limits and is zoned "Unclassified" by Butte County.

Location maps for the two properties are found in **Appendix A** of this proposal, while photographs of both sites are found in **Appendix B**.

2. APPROACH:

The explicit purpose of this grant application is to provide funding for two years of management of the CSU, Chico preserve system, specifically the Simmons and the Honey Run Units. This funding will be directly used to:

TASK 1: PREPARE A MANAGEMENT PLAN FOR THE SIMMONS UNIT

(The Honey Run Unit Management Plan is already written).

The proposed table of contents for the Simmons Unit Management Plan is offered in **Appendix C**. Each of the management plans will also contain "sub-components" including the plans listed in the other grant work , tasks 2 through 7, described in this application.

Development and updating of the management plans will include the following eight subtasks:

- A). Recruit Advisory Committee for Simmons Unit (the Honey Run Unit has an established committee).

The advisory committees for both properties will be made up of neighboring property owners, conservancy members, agency staff, conservation group representatives and school district representatives as well as college faculty.

- B). Develop Stakeholder Databases.

The stakeholder database will be a list of the above persons plus all other interested parties.

- C). Gather and Record Baseline Data.

Part of the baseline data has already been gathered in preparation of the Butte Creek Watershed Existing Conditions Report and the Big Chico Creek Watershed Existing Conditions Report, both of which were prepared by the Foundation with CALFED grants.

D). Data Evaluation and Assessment Using our GIS System.

More detailed, site specific information will be gathered with funding from this proposed grant and added to the Watershed GIS. Factors to be inventoried for eventual use in the monitoring plans include fish populations, vegetation cover, soils, slope, built features, wildlife populations, geomorphic characteristics and stream survey cross sections. Air photography is complete for the Butte Creek preserve but remains to be done for the Chico Creek preserve. Geomorphic characteristics have already been inventoried for Butte Creek under another CALFED grant and cross-sections have been surveyed on both streams. Water quality data for both streams has been or will be collected by the California Department of Water Resources under separate agreements.

E). Prepare Property Analysis Report (PAR) for Simmons Unit (Honey Run PAR has been completed).

The PAR is a computer based procedure for calculating complete management costs for start up and long term management of open space preserves. It also calculates needed resources for establishment of in-perpetuity endowments for long-term management, a very necessary component of this applicant's needs. A table of contents for a typical PAR report is included here as **Appendix D**.

Deliverables:

1. Management Plan for the Simmons Unit of the Chico Creek Ecological Preserve.
2. Update of the Management Plan for the Honey Run Unit.
3. PAR for the Simmons Unit.
4. Expanded GIS data for both preserves.
5. Air photos for Simmons Unit.
6. Database updates and maintenance.

TASK: 2. DEVELOP AND MAINTAIN PRESERVE INFRASTRUCTURE ON BOTH PRESERVES.

This major task has several sub-components as follows:

A). Repair or Replace Fences.

The existing perimeter fences on both properties are over twenty years old and are in need of repair for delineating boundaries, posting limited access signs, and prevention of accidents. The fences will not be used for livestock management unless or until the management plans call for it in the future.

B). Repair Road on the Simmons Unit.

This repair can be effected by replacement of an existing culvert and backfilling. It is not near a perennial stream although continued erosion from the exposure of bare earth could affect turbidity of the creek one hundred yards downhill. No permits will be necessary for completion of this task.

C). Construct and Post Informational and Interpretive Signs.

The Honey Run Unit already has a large welcome sign that thanks funders and other participating organizations (see photograph). A similar sign is proposed for the Simmons Unit. Both properties are in need of perimeter signs that express prohibition of unauthorized vehicles and other "rules and regulations". Two interpretive signs have been donated for the Honey Run Unit and the applicant is hopeful of others but new interpretive signs are needed for the Simmons property. The signs will illustrate ecological values of the properties, especially the life-cycle and habitat needs of on-site protected species.

D). Establish a Nature Trail along with Interpretive Brochure at Simmons Unit.

A nature trail has already been established on the Honey Run Unit (copies available on request).

E). Establish Public Safety Patrols.

Such patrols have been requested by neighbors and other preserve user groups. This grant request is only for equipment to start such a program. Personnel would be paid by the CSU, Chico Police Department. Such a program is very successful at Stanford University's Jasper Ridge Preserve and is proposed for emulation here. Student employees would ride bicycles in the area educating users and reporting violations of laws or rules. They would not engage in criminal law enforcement. They would receive training and cooperation from the campus police, City of Chico rangers and California State Fish and Game wardens. [Note: Student bike patrols are already in use on CSU, Chico's main campus.]

F). Construct and Maintain Composting Toilets at Both Sites.

At present, rented portable toilets are used for school class visits. A composting toilet can be used to demonstrate ecologically-based land use as well as to prevent 'hygiene emergencies'.

Deliverables:

1. Installation of new or repair of existing ten miles of perimeter fence around both properties.
2. Repair washout of Simmons Ranch Road.
3. Design, construction and installation of six 4'x8', heavy duty, interpretive signs.
4. Construction of interpretive nature trail along with markers and brochure.
5. Equipment for establishment of student safety patrol.
6. Design and construction of composting toilets.

TASK 3. SEEK INSTITUTIONAL AND PUBLIC RESEARCH PROPOSALS FOR RESEARCH RELATED TO PRESERVE MANAGEMENT GOALS

The purpose of this task is to solicit participation from off campus individuals and organizations as well as University faculty and staff to submit research proposals that utilize the preserves. It is expected that such proposals would incorporate CALFED goals and/or CVPIA priorities. The proposals would be processed by the Research Foundation's Office of Sponsored Programs to determine how the grant proposals could best be funded and implemented.

This task includes the following components:

- A). Preserve management advisory groups develop grant proposal guidelines based on preserve needs and resources
- B). Design and produce informational solicitation (Request for Proposals).
- C). Create web site for project utilizing the SRWP Electronic Resource Center on campus.
- D). Promote RFP on and off campus.
- E). Receive proposals and evaluate.
- F). Office of Watershed Projects and Office of Sponsored Programs pursue funding opportunities for selected projects.

Deliverables:

1. Six or more research proposals suitable for funding by conservation related public agencies or private foundations.
2. Record of search for such funding and (hopefully) awards for funding.

TASK 4. CONDUCT PUBLIC EDUCATIONAL TOURS AND ACTIVITIES ON BOTH PRESERVES

The major purpose of this task is to increase public awareness of the preserve goals of protecting habitat and populations of spring run Chinook Salmon and Steelhead trout and other listed species of animals and plants. Further, it is expected that the preserves could be used by conservation groups and other citizen groups as examples of successful "on-the-ground" partnerships among government agencies, the university and the public toward the common goal of critical area habitat protection.

This task will involve the following subtasks:

- A). Advisory committee creates single education and outreach plan for use of the preserves.

- B). Create preserve user database.
- C). Develop user guidelines and procedures.
- D). Plan and conduct three or more powerpoint public presentations about the resources in and uses of the preserves.
- E). Plan and conduct three or more field tours of the preserves.
- F). Report outcomes to advisory committee and funders.
- G). Prepare construction plans for outdoor classroom to be constructed on Honeyrun Preserve.

Deliverables:

- 1. Preserve Educational Outreach Plan
- 2. User database and mailing list
- 3. User's Manual for educators and the public
- 4. Three or more scheduled presentations by the Project Director
- 5. Three or more guided field tours by the Project director
- 6. Activity report to the advisory committee and participating agencies
- 7. Set of construction drawings for field classroom

TASK 5. PREPARE AN EXOTICS REMOVAL PLAN FOR BOTH PRESERVE UNITS.

This task includes the following five components:

- A. Gather and Record Baseline Data (GIS mapping).
- B. Evaluate Data and Determine Goals and Means to Achieve Them.
- C. Assign Activities and Resources to Accomplish Goals.
- D. Assign Monitoring Procedures to Task 6. Monitoring Plan.
- E. List Possible Adaptive Management Techniques and Procedures.

No use of test plots is foreseen but they would become part of the adaptive management component if they are deemed necessary. Note: again, this task is not to carry out on-the-ground plant removal activities but to evaluate the necessity to do so and, if necessary, to carry out the plan with funding from other sources.

Deliverable:

- 1. Exotic Vegetation Removal Plans for Honey Run and Simmons Units.

TASK 6: HABITAT MONITORING PLANS FOR HONEYRUN AND SIMMONS RANCH UNITS

Project area hydrology, water quality, geomorphology, fisheries, macro-invertebrates, vegetation, wildlife and general landscape attributes such as view sheds will be monitored. This task will include the following six subtasks, which are fairly self-explanatory:

- A). Compile Environmental Data.
Compile data from baseline studies and other project related tasks in this scope of work including existing GIS and new (part of this proposal) air photo coverage.
- B). Utilize the ECOS Template.
Developed by the Center for Natural Lands Management, we will use the ECOS template for GIS database record keeping.
- C). Establish Data Protocols.
Consult with university faculty and preserve advisory groups to establish or adopt proper protocols for data collection and use.
- D). Test Protocols.
Test data collection process and protocols in selected sample sites.
- E). Distribute Draft Monitoring Plan for Peer Review.
Submit Quality Assurance Plan. Obtain permits.
- F). Prepare and Submit Final Monitoring Plan.
Actual monitoring will be carried out with funding from other sources or by public agencies.

Deliverable:

1. Monitoring plans ready for implementation for the Honey Run and Simmons Units.

TASK 7 PREPARE RECREATIONAL USE PLAN FOR BOTH PRESERVES

A). Identify Current Recreational Uses.

Identify recreation use on the two preserves and all studies or surveys that document such uses. Current recreational uses of the properties are fishing (Simmons), hunting (Simmons), kayaking and tube floating, wildlife observation, mountain biking, and picnicking.

B). Create and Administer User Survey.

C). Prepare Draft Recreation Management Plan.

We will prepare a recreation plan that incorporates sensitivity to the ecological objectives of the preserve general management plans, sets impact thresholds from recreational uses, and incorporates user impact analysis and impact mitigation measures.

D). Submit Draft Plan to Advisory Team.

We will submit the plan to the team and other interested parties, receive ideas and suggestions from reviewers, and incorporate suggested changes into the draft plans.

E). Distribute and Adopt Final Recreational Use Plans.

3. MONITORING AND ASSESSMENT PLANS:

Monitoring and assessment plans will be created in this scope of work but will not be implemented by CalFed funding. Local endowment funding will be used to carry out the monitoring. Monitoring would only begin after quality assurance reports are approved, necessary permits issued and sampling protocols are established and approved by cooperating agencies. None of these activities are part of the work plan proposed here.

4. DATA HANDLING AND STORAGE:

All data collected in the tasks listed above will be analyzed and stored in the CSU, Chico Department of Geography and Planning's Geographic Information System, an in-kind use of hardware contribution to the projects proposed here. Data will be accessible to agencies and the public via the Sacramento River Watershed Project website which is also housed in the Geography Planning Department. The data will also be available to all at the Cal. State University Meriam Library, Special Collections Division.

5. EXPECTED PRODUCTS/OUTCOMES:

Products for each task are listed in the work scope above. Status reports and public announcements regarding campus projects are normally disseminated by the University Office of Public Affairs. Presentations and seminars about the preserve system and any of its components are arranged by contacting the project director, Dr. Donald Holtgrieve, at the address posted on the first page of this proposal.

The progress of the work performed on the Honey Run Unit will be reported quarterly and annually to the USFWS, NFWF, CALFED, and WCB. These progress reports will discuss coordination with the Education Program (and classroom field trips), research results, relationships and agreements with neighboring landowners, security and trespass problems and corrections, improvements and maintenance, patrolling, and other work accomplished. Reports will also include discussions of other activities such as budget expenditures and staffing issues.

6. WORK SCHEDULE:

Assuming that the project can begin on or about January 1st 2001, the entire project proposed here will be complete in two years or by December 31st 2002. Milestones will be the delivery of each

deliverable to the funding entities. Billing will be quarterly and will be cost reimbursable based on quarterly reports sent to the funders. Work on all tasks will commence immediately upon authorization by Calfed. Tasks 3, 5, 6, and 7 will be completed at the end of the first year of work. Tasks 1, 2, and 4 will be completed at the end of the second year. Project management will be continuous throughout the life of the project but will be greater during the startup phases of tasks.

Tasks 1, 2, and 3 are most critical and are considered inseparable. If only a portion of the grant proposal can be funded, task 5, or 6 or 7 could be separated from the others.

7. FEASIBILITY:

Since this a planning and education grant proposal there is no reason to think that weather or other outside contingencies could slow work progress. Likewise there are no permits or other local actions that this work scope is dependent upon. References documenting the processes and procedures to be undertaken here are in section 9 of this proposal. All of the parties listed in the project budget are qualified and very experienced in performing their designated tasks (see section 6). The project director has managed over twenty similar projects over the last four years. Work tasks are scheduled so that all faculty, staff and students will not have conflicts with other responsibilities.

3. APPLICABILITY TO CALFED ERP GOALS AND IMPLEMENTATION PLAN AND CVPIA PRIORITIES

1. ERP GOALS AND CVPIA PRIORITIES

The following ERP goals are targeted in this proposal:

- Goal 1. At-risk species recovery.
- Goal 2. Ecosystem process and biotic communities preservation and enhancement.
- Goal 3. Maintain harvestable species.
- Goal 4. Protect functional habitat types.
- Goal 5. Reduce and prevent non-native invasive species.

The following CVPIA procedural objectives are incorporated into this work plan:

- Achieve the stated goals and specific requirements of the CVPIA
- Implement the provisions of CVPIA providing the greatest public benefit
- Work to minimize impacts to affected interests.
- Coordinate CVPIA implementation with related non CVPIA efforts.
- Develop partnerships with others in implementing actions.
- Fully involve the public and stakeholders.
- Use funds in the most efficient and cost-effective manner.

The following three CVPIA fish and wildlife restoration goals requiring focus and action will be incorporated in this project:

- Make reasonable efforts to double natural production of anadromous fish.
- Provide water supplies to Central Valley refuges (preserves).
- Mitigate for identified adverse fish and wildlife impacts.

Each of the *Biological* and *Non-biological Principals* listed in Attachment G will be followed in the work to be carried out by this proposed project.

The project also incorporates partnerships and maximum public involvement in its work plan including State agencies, local agencies such as the City of Chico and the County of Butte and local citizen groups such as Stream-minders, Butte Creek Watershed Conservancy, Little Chico Creek Watershed Group, Big Chico Creek Watershed Alliance and the Sacramento river Preservation Trust. The applicant

believes that this proposal will rank highly in CVPIA's *Considerations for Ranking Specific Actions* with a prevailing focus on benefits to anadromous fish species. Spawning and rearing life cycle stages of Spring Run Chinook Salmon and Steelhead trout in aquatic and riparian habitats are specifically targeted in this proposal.

2. RELATIONSHIP TO OTHER ECOSYSTEM RESTORATION PROJECTS

Ongoing Conservation Programs and Regional Preserves that complement the proposed work in this proposal include but are not limited to the following:

- Sacramento River National Wildlife Refuge acquisition and restoration.
- Keeney Ranch Preserve on Butte Creek managed by the County of Butte and the Center for Natural Lands Management.
- Management of the Butte Creek Ecological Reserve, Canyon and Virgin Valley units by the California State University, Chico Research Foundation.
- Honey Run Bridge Association management of creek frontage in Butte Creek Canyon.
- City of Chico Parks Department and Chico Area Recreation District programs on Big Chico Creek.
- Butte Creek, Little Chico Creek and Big Chico Creek Watershed Management Strategies prepared by the Foundation for the watershed groups.
- Chico, Durham, and Paradise School Watershed Education Programs under contract to the University Research Foundation using various grant funds.
- State Department of Fish and Game's *Sacramento River Wildlife Area*.
- State Department of Parks and Recreation's *Sacramento River Recreation Area*.
- Sacramento River Partners's restoration projects on the Sacramento River .
- Public education programs carried out by Butte Environmental Council, Chico Nature Center, Sacramento River Preservation Trust, Stream-minder Chapter of the Isaac Walton League, and the local chapters of the California Native Plant Society, Sierra Club and Audubon Society.
- SB-1086 Inter-agency restoration program.
- Butte Basin Water Users and western Canal District conservation programs.

3. REQUESTS FOR NEXT-PHASE FUNDING

This application is not considered a "Next-Phase Funding" project; however, it is noted that the Honey Run and Simmons Units were acquired with funding from CALFED and CVPIA grants (see item 4 below).

4. PREVIOUS RECIPIENTS OF CALFED/CVPIA FUNDING

The following projects that were undertaken by the CSUC Research Foundation were funded wholly or in part by CALFED and/or CVPIA:

- Butte Creek Watershed Existing Conditions Report and Watershed Management Strategy, (CALFED, CVPIA). To be completed June 2000.
- Honey Run (McAmis) Preserve acquisition (CVPIA). Completed.
- Butte Creek Roads Condition survey (CALFED, CVPIA). Completed May, 2000.
- Butte Creek Schools Education (CALFED, CVPIA). To be completed Fall 2000.
- Butte Creek Fluvial Geomorphology (CALFED, CVPIA). To be completed June 2000.
- Butte Creek Watershed Conservancy Coordination (CALFED, CVPIA). To be completed June 2000
- Honey Run Management Plan and Implementation (CALFED, NFWF).
- Big Chico Creek ECR – WMS (CALFED, EPA). To be completed June 2000.

- Butte Creek Ecological DFG Reserve Demo. (CALFED,CVPIA). To be completed fall 2000.
- Butte Creek Public Education (CALFED,USBR). To be completed fall 2000.
- Simmons Ranch Acquisition (CVPIA). Completed.

5. SYSTEM-WIDE ECOSYSTEM BENEFITS

All of the projects and programs listed in Section 2 above will be benefited by implementation of the project proposed here. There are a large number of projects in the lower Butte Basin that would also benefit this project, and be benefited by it because they are directly connected to the upper Sacramento ecosystem.

4. QUALIFICATIONS

PROJECT DIRECTOR: DONALD GORDON HOLTGRIEVE

PERSONAL DATA

Professor of Geography and Planning, Department of Geography and Planning, California State University Chico, Chico, California 95929-0425

EDUCATIONAL BACKGROUND

1972 Ph.D. in Geography, University of Oregon, Eugene, Minor in American History

1970 M.A. in Educational Administration with academic major in Geography, California State University, LA

1964 General Secondary Teaching Credential.

1963 B.A. in Social Science and History, San Diego State College, Minor in English.

ADMINISTRATIVE EXPERIENCE

1996-Present Director, Office of Watershed Projects, College of Engineering and Computer Sciences, CSU, Chico.

1990-Present Principal, Northern California Research and Planning, Forest Ranch, California.

1993-1997 Coordinator, Master's Degree Program in Rural and Town Planning, and Department Internship Coordinator.

1989-1993 Chair, Department of Geography and Planning, CSU, Chico.

1990-1995 Executive Secretary, Butte County Fish and Game Commission.

1986-1989 Project Manager, Y.C.S. Investments, San Francisco, California.

1973-1986 President, Ecumene Associates, Inc., Hayward, California.

GRANTS

NFWF, *Deer Creek Education and Outreach* \$15,542. Funded. 1998.

CALFED/EPA, *Deer Creek Rangeland* \$25,600. Funded. 1999.

CALFED/EPA, *Deer Creek Highway 32 Spill Contingency Plan* \$8,665. Funded. 1999.

CALFED/EPA, *Deer Creek Fire Management* \$21,050. Funded. 1999.

CALFED/EPA, *Deer Creek Education and Outreach* \$27,792. Funded. 1999.

CALFED/USFWS, *Highway 99 Demo Task 1* \$21,482. Funded. 1999.

RWQCB, *Deer Creek 204 Upper Meadows* \$155,140. Funded. 1999.

SWRQCB, *Electronic Resource Center Administration* \$65,000. Funded. 1999.

CSU, Chico, *Honey Run Site Planning* \$8,000. Funded. 1999.

CSU, Chico Technology and Learning Program, *Supplemental Funding for Geodigital Project* \$5,000. Funded. 1999.

USFWS, *Property Acquisition on Butte Creek*, \$125,000. Funded. 1998.

USFWS, *Central Valley Historical Mapping*, \$250,000. Funded. 1998.

CALFED, *Upper Butte Creek Watershed Road Survey*, \$50,135. Funded. 1998.

CALFED, *Fluvial Geomorphological Study of Butte Creek*, \$152,024. Funded. 1998.

CALFED, *Butte Creek Education Program*, with Allen Harthorn \$59,411. Funded. 1998.

FSOS, *Watershed Coordinator for the Butte Creek Watershed Conservancy*, with Brendan Vieg \$50,066. Funded. 1998.

USFWS, *Assistant Coordinator for the Butte Creek Watershed Conservancy*, with Brendan Vieg \$52,000. funded. 1999.

USFWS, *Training Course—Working at a Watershed Level* \$63,500. Funded. 1998.

CALFED, *Butte Creek Riparian Restoration Demonstration*, with Allen Harthorn \$76,348. Funded. 1999.

CALFED, *Educational Workshops and Field Tour Series, Butte Creek*, with Laura Lukes \$33,000. Funded. 1999.

USFWS, *Watershed Management Strategy, Butte Creek*, \$81,800. Funded. 1998.

CALFED, *Preparation of Watershed Management Strategy, Phase II, for Big Chico Creek Watershed Alliance* \$100,000. Funded. 1999.

CALFED, *Preparation of Management Strategy, Phase I, for Big Chico Creek Watershed Alliance* \$276,000. Funded. 1997.

CALFED, *Habitat Restoration Projects for Deer Creek*. \$296,554. Funded. 1997.

Water Quality Control Board (204), *Habitat Restoration Projects for Deer Creek Watershed*, with Richard Holman. \$607,758. Funded. 1998.

National Fish and Wildlife Foundation, *Property Acquisition for Butte Creek Ecological Preserve and Management* \$132,441. Funded. 1997.

CALFED, *Property Acquisition for Butte Creek Ecological Preserve* \$187, 128. Funded. 1997.

USFW, *Management Strategy for Deer Creek*, FY 97, \$80,000. Funded.

National Fish and Wildlife Foundation, *Education Program for Deer Creek Watershed Conservancy* \$15,000. Funded. 1997.

Environmental Protection Agency and Sacramento Regional Sanitation District, *Information Coordination and Delivery for the Sacramento Watershed Program, Phase IV*, Submitted January 1998 for \$250,000. Funded for \$165,000. 1999.

U.S. Fish and Wildlife Service. *Watershed Management Strategy, Butte Creek FY 97*. \$160,000. Funded. 1997.

Regional Water Quality Control Board (319h), *Butte Creek Educational Program* \$43,000. Funded. 1997.

National Fish and Wildlife Foundation, *California Salmon Project, Butte Creek* \$138,052. Funded. 1997.

US Bureau of Reclamation, *Restoration of State Fish and Game Butte Creek Ecology Area*, submitted November 1996 for \$50,000. Not Funded.

California Regional Water Quality Control Board, *Educational Program for the Deer Creek Watershed* \$15,000. Funded. 1996.

National Fish and Wildlife Foundation, two grants for *Watershed Management Plan for Butte Creek and Deer Creek* \$83,000 and \$120,000. Funded. 1996.

US Fish and Wildlife Service, two grants for *Deer Creek Management Plan and Butte Creek Management Plan* \$160,000. Funded. 1996.

WILDLIFE PRESERVES MANAGER

Butte Creek Preserve, Keeney Ranch, for Center for Natural Lands Management.

Butte Creek Preserve, Honey Run Unit, for CSU, Chico Research Foundation.

Butte Creek Environmental Reserve, Valley and Canyon units, California Department of Fish and Game.

Chico Creek Preserve, Simmons Ranch, for CSUC Research Foundation.

See **Appendix E** for a complete list of the Project Director and Manager's qualifications.

Project Director and Manager, Dr. Donald Holtgrieve, does not know of any potential conflicts of interest regarding his work on this project.

Dr. Holtgrieve does not foresee any problems regarding his availability to complete the project scope of work within the timeline.

5. BUDGET

A. DETAILED BUDGET

See Budget Table.

B. BUDGET SUMMARY

Salaries included in the proposal are for the Project Director (\$54.71/hour at 28% benefit rate), Project Manager (\$16.80 at 34%), Field Manager (\$13.54 at 34%), Events and Activities Coordinator (\$34.65 at 29%), and Graduate Students (\$8 at 12%). The total hours for each position are reflected in the budget table. Travel costs include site visits, management advisory team meetings, outreach to local schools, presentations at CALFED, other funders, and meetings of interested organizations, and motor vehicle operations maintenance. Supplies include general office supplies (including reproduction and information dissemination), GIS software, brochures and flyers, fencing, signage construction and posting materials, trail construction, toilet construction and maintenance materials, and materials for waste receptacle construction and maintenance. Equipment includes field equipment, fencing and maintenance tools, recycling and trash receptacles, paint and protective materials, and protection patrol (mountain bikes, hand-held radios and uniform shirts). Consultants will be used for road repair (\$500) aerial flights for data collection (\$2,000), and monitoring plan preparation (\$700). The overhead rate includes utilities costs to maintain the offices of the Project Director and Manager such as rent, phones, computer, furniture, and related costs. The overhead costs are different for state funds (20% of total direct cost) and federal funds (42% of salaries and wages); these differences are detailed in the budget table.

The project management task is distributed proportionally through the seven project tasks and equals approximately 10% of the principal researcher's time. The principal researcher (Holtgrieve) will be responsible for all inspection and final editing of work in progress, validation of costs for all work and materials, preparation of periodic reporting requirements, response to project specific questions and necessary costs associated with specific project oversight.

Collaborators:

CSU, Chico Research Foundation: \$10,000

In April 2000, the Foundation donated funds for proposal writing to maintain the continuity of funded watershed projects.

Honey Run Unit interpretive signs donated by Kelley Meger: \$500

Honey Run Unit well was put in by the land seller, John McAmis: \$20,000

Total: \$30,500

Honey Run: U.S. Fish and Wildlife Service (\$125,000), National Fish and Wildlife Foundation (\$100,000), CALFED (\$150,000), Wildlife Control Board (\$100,000). Total: \$475,000
Approximately 13% of the grant monies (\$32,441 from NFWF and \$36,128 from CALFED) were set aside to develop a management plan and initiate management efforts.

Simmons Unit purchase: River Network (easement assistance), Packard Foundation (\$1,500,000), USF&WS (\$500,000), WCB (soon to donate \$1,677,000). Simmons Unit management: Packard Foundation: \$64,000. Total: \$3,741,000

Total Funds for Both Units: \$4,216,000

Others:

In the spring of this year, the campus Associated Students Revenue Allocation Committee donated \$2,100 for a shed and a storage tank for the field classroom at the Honey Run Unit, while the College of Behavioral and Social Sciences donated \$3,600 for a pump and a greenhouse. The

Instructionally Related Activities Committee donated \$3,500 for lab supplies, field packs and school curriculum.

319 funds went toward the Butte Creek Education Series: \$43,000

CALFED/USF&WS funds went toward the Highway 99 Demonstration on the adjacent CDFG Reserve property: \$76,343

Butte County Fish and Game Commission funds went toward a native plant greenhouse, which is located at the Honey Run Unit: \$500

CSU, Chico Foundation funds went toward Honey Run site planning: \$8,000

Total: \$127,843

C. COST-SHARING

CSU, Chico's Instructionally Related Activities Fund (IRA). As an instructionally related activity, the field classroom is eligible for continued annual funding; thus, \$7,000 will be donated during the project period. Future funds will go toward a student assistant responsible for field classroom maintenance, expended outreach to area schools, and field trip scheduling. It is likely that the Associated Students as well as the College of Behavioral and Social Sciences will continue donating funds to the field classroom, but their fund distribution is on an annual basis; we will reapply for funds each year.

Total: \$7,000 for the 2000-2001 and 2001-2002 fiscal years

6. **LOCAL INVOLVEMENT**

The development of a management advisory team representing neighboring landowners, government agencies, agricultural and educational interests, conservation groups, community college and university faculty, and interested citizens will be our primary vehicle for inviting public input and incorporating community needs into the adaptive management approach. Through this team we will strive to balance the physical and biological requirements for habitat protection with the needs and desires of the community, creating a two unit living laboratory for research endeavors and watershed education activities that promote the maintenance of riparian and aquatic habitat, the limited recreational use of the sites, and eventual restoration plans that include exotics removal to further both resource protection and research interests.

Public use is an issue for preserve management and a concern to adjacent landowners. The preserves are intended to be wildlife viewing areas rather than public parks, though public ownership of the land requires some public access; project staff strive to maintain ecological preservation while encouraging limited recreational use of the sites on less sensitive areas of the properties. Accordingly, signs have been posted at the Honey Run Unit warning against vehicle trespass, camping and hunting. A brochure will be developed for both sites to educate visitors as to the purpose and ecological value of the preserves as well as to outline restrictions of their use. The preserves will be utilized by local school groups and community college and university classes as well as individual researchers, by permission. Careful consideration will be made in reviewing site visitors' activities, especially as they relate to wildlife impacts and potential trespassing on adjacent properties. A log of all activity and visits by school groups will be maintained, as well as a visitor sign in sheet. A relationship with adjacent landowners is being and will be developed to ensure that the concerns of the neighbors of the preserves are addressed.

Management practices for the spring and fall-run chinook salmon and steelhead trout will be coordinated with CDFG, in conjunction with the management of their Reserve. A partnership with the Butte Creek Education Program (BCEP) will provide volunteers for surveys of biological and wildlife communities. Through the BCEP, a partnership with Chico Unified School District will allow project staff to provide assistance to local schoolteachers in utilizing the planned education center for class activities related to riparian restoration and ecology. Coordination with the Parks and Preserves Foundation regarding public access and use of the preserves for wildlife viewing is underway. A partnership with the Board

and members of the Butte Creek Watershed Conservancy (BCWC) will yield a pool of volunteers to assist with the eradication of invasive species and the planting of native species. This partnership with BCWC will also provide assistance in starting endowment funding for long-term management. Butte County currently has a program that utilizes low-risk prisoners from the County Jail to cut up the large woody debris deposited on the Preserve during high water events. Of course, Butte County would also be the lead agency for any land use planning decisions, as well as the recipient of property taxes. Finally, the Department of Water Resources currently monitors water quality on Chico Creek and has plans to conduct a water quality monitoring program on Butte Creek, and may use the Honey Run Unit as one of its test sites.

LETTER OF NOTIFICATION:

Please see Appendix F.

7. COMPLIANCE WITH STANDARD TERMS AND CONDITIONS

The project director has reviewed the standard terms in attachments D and E of the PSP will comply with those terms.

A request has been made to the Northeast Archeology Information Center on the CSU, Chico campus to conduct a literature search of the archeology and history of both units, based on a USGS quad map delineating property boundaries. If cultural resources are identified, a plan for their preservation will be undertaken.

The property boundaries of the Honey Run Unit have been identified and marked. A legal description of the property is on file titled: McAmis. California State University, No.: 2-65690BG, Fidelity National Title Company, 535 Wall Street, Chico, California. Per the California Penal Code (Section 602), three signs per mile will be posted around the perimeter of the designated off-limits area to prevent trespassing and hunting. Standard title insurance for the property has been purchased from Fidelity National Title Company of Chico, California.

To ensure protection of the ecological values of the properties in perpetuity, the conservation use of it will be recorded as a deed restriction. The restriction will remain with the properties unless and until a catastrophic or other event (irremediable through restoration) destroys the conservation value of the properties. In that case, and with agreement from the relevant local and resource agencies, the lands could be sold and replaced by lands with appropriate conservation values elsewhere.

8. LITERATURE CITED

- CALFED, 1998, *Ecosystem Restoration Program Plan*
- California Department of Fish and Game, 1996, *Steelhead Restoration and Management Plan for CA*
- California Department of Fish and Game, 1993, *Restoring Central Valley Streams: A Plan for Action*
- California Department of Fish and Game, 1994. *California Salmonid Stream Habitat Restoration Manual*
- California Resources Agency, 1989, *Upper Sacramento River: Fisheries and Riparian Habitat Management Plan*
- Maslin, Paul 1996. *A Natural History of Chico's Creeks*, CSU, Chico
- Naiman, Robert ed. 1992. *Watershed Management*, New York, Springer
- Noss, Reed et.al. 1997. *The Science of Conservation Planning*, Ca, Island Press
- Sacramento River Advisory Council. 1999. *Sacramento River Conservation Area Handbook*
- U.S. Fish and Wildlife Service, 1997 *Handbook of Regulatory Compliance for the Anadromous Fish Restoration Program*

APPENDICES

Appendix A: Site Location Maps

Appendix B: Site Location Photos

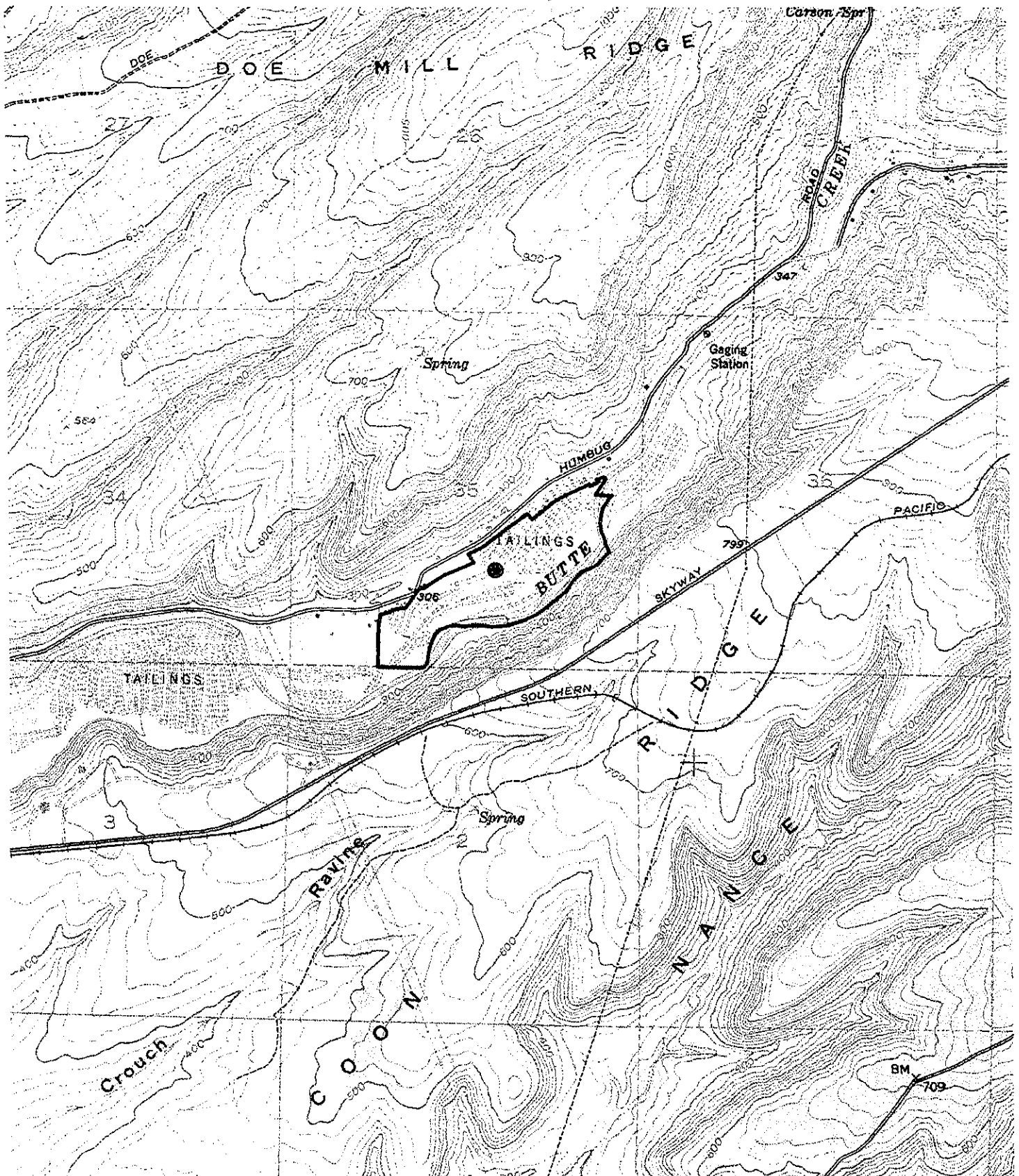
Appendix C: Table of Contents for Simmons Ranch Unit of Big Chico Creek Ecological Preserve

Appendix D: Table of Contents for Property Analysis Report (PAR) for Simmons Unit of the Big Chico Creek Ecological Preserve

Appendix E: Qualifications of Principal Planner and Project Director

Appendix F: Letter of Local Notification

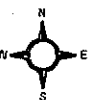
Foot Print of Honey Run Unit



- Honey Run Unit Boundary
- Centroid of Project

UTM Meters Coordinates			
NW Corner Coordinate	609,275	NE Corner Coordinate	610,297
	4,396,593		4,397,248
SW Corner Coordinate	609,272	SE Corner Coordinate	610,320
	4,396,358		4,369,915

1:24000



UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

② Centroid of Project

UTM Meter Coordinates

NW Corner Coord. 608,552

4,412,443

SW Corner Coord. 607,043

4,406,717

NE Corner Coord. 609,775

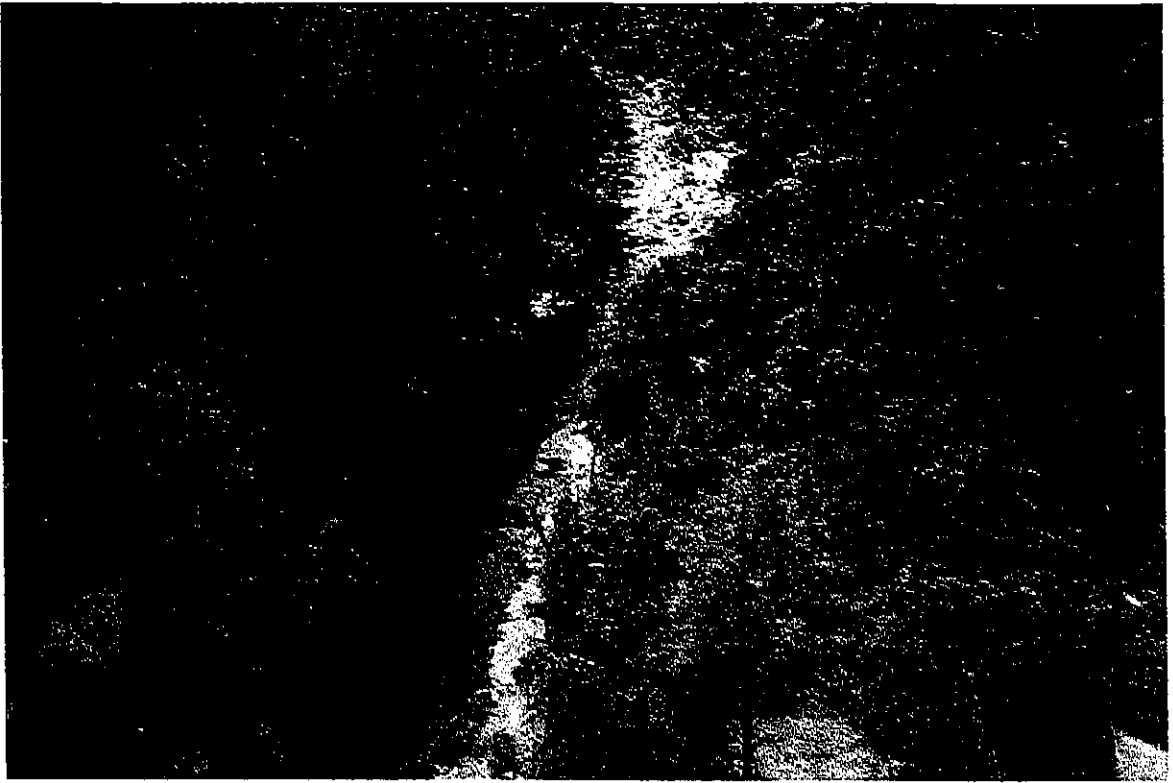
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SE Corner Coord. 610,214

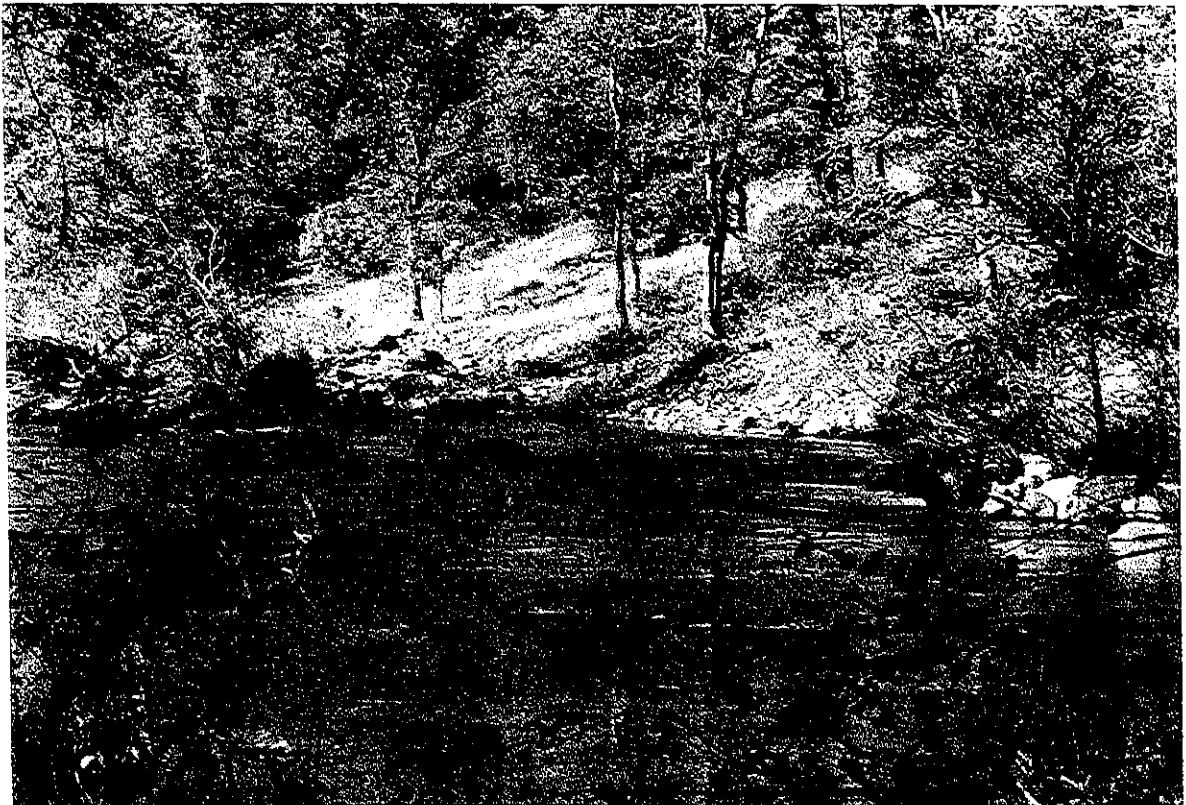
4,407,669



1:4500C



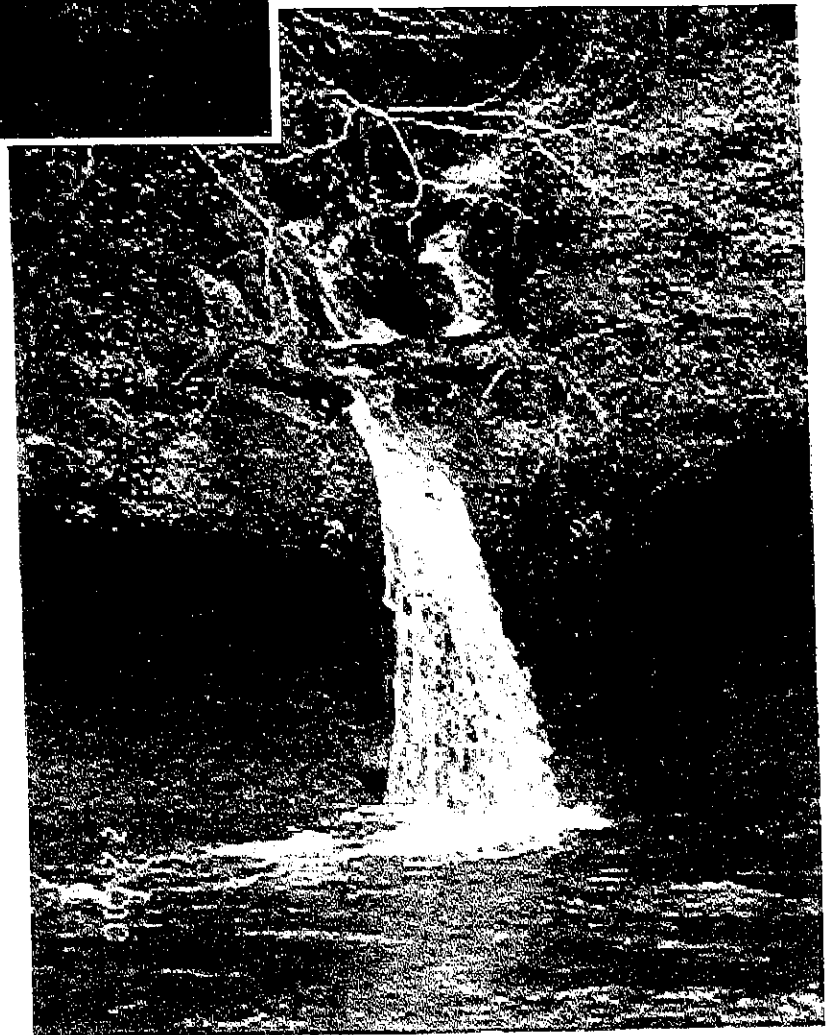
Big Chico Creek as it winds through the Preserve.



Spring on the Big Chico Creek Ecological Preserve.



View of Big Chico Creek Ecological
Preserve looking toward south
canyon wall.



Springtime tributary located on
the Big Chico Creek Ecological
Preserve.

APPENDIX C

Big Chico Creek Ecological Preserve Simmons Ranch Unit Management Plan Table of Contents

1. Executive Summary
2. Introduction
3. Background
4. Related Conservation Programs
5. Preserve Site Characteristics
6. Future Potential Growth of Preserve Areas
7. Management Goals and Objectives
8. Management Strategies
9. Real Estate Issues
10. Funding Mechanisms
11. Reporting Requirements
11. Priority Tasks to be Performed
12. Workload and Budgets
13. List of Preparers
14. Glossary
15. Attachments

APPENDIX D
Table of Contents of property Analysis Report

1. Introduction
2. Structure of PAR Analysis
 - a. Project Data
 - b. Field Assessment
 - c. Tasks
 - d. Costs
 - e. Rates
3. Data Menu Items
 - a. Project Data
 - b. Agency Involvement
 - c. Purposes and Goals
 - d. Field Survey
 - e. Neighboring Property Uses
 - f. Additional Property Uses
 - g. Water Uses
 - h. Physical Features
 - i. Legal Features
 - j. Degraded Features
4. Legal Documentation
 - a. Contracts
 - b. Easements
 - c. Cooperative Agreements
 - d. Fees
5. Site Costs
 - a. Capital Improvements
 - b. Surveys
 - c. Reporting
 - d. Public Services
 - e. Habitat Maintenance
 - f. Water Management
 - g. Office
 - h. General Maintenance
 - i. Field Equipment
 - j. Permits
6. Cost Estimate Data Sheets
7. Basis for Financing
 - a. Endowment
 - b. Special District
 - c. Other
8. Habitat stewardship guidelines
9. Conclusions and Attachments

Appendix E

Qualifications of Principal Planner and Project Director

DONALD GORDON HOLTGRIEVE

PERSONAL DATA

Professor of Geography and Planning, Department of Geography and Planning, California State University Chico, Chico, California 95929-0425

Telephone: Work: 530-898-5780 Fax: 530-898-6781

e-mail: dholtgrieve@csuchico.edu

EDUCATIONAL BACKGROUND

1972 Ph.D. in Geography, University of Oregon, Eugene, Minor in American History

1970 M.A. in Educational Administration with academic major in Geography, California State University, Los Angeles.

1964 General Secondary Teaching Credential.

1963 B.A. in Social Science and History, San Diego State College, Minor in English.

TEACHING EXPERIENCE

1988-present Professor, Geography and Planning, California State University, Chico.

1972-1988 Professor of Geography and Environmental Studies, California State University, Hayward.

1971-1972 Graduate Teaching Fellow, Department of Geography, University of Oregon.

1964-1970 Teacher, Social Studies Department Chair, and Curriculum Coordinator, Abraham Lincoln High School, Los Angeles Unified School District.

Summer 1989 Visiting Professor, University of Oregon, Eugene, OR.

Summer 1975 Visiting Professor, University of Oregon, Eugene, OR.

ADMINISTRATIVE EXPERIENCE

- 1996-Present Director, Office of Watershed Projects, College of Engineering and Computer Sciences, CSU, Chico.
- 1990-Present Principal, Northern California Research and Planning, Forest Ranch, California.
- 1993-1997 Coordinator, Master's Degree Program in Rural and Town Planning, and Department Internship Coordinator.
- 1989-1993 Chair, Department of Geography and Planning, CSU, Chico.
- 1990-1995 Executive Secretary, Butte County Fish and Game Commission.
- 1986-1989 Project Manager, Y.C.S. Investments, San Francisco, California.
- 1973-1987 President, Ecumene Associates, Inc., Hayward, California.

PUBLICATIONS

- Maps—*Historical Land Cover of the California Central Valley; 1910, 1940, 1960, 2000.*
With Kent Lundberg, Tracy Love and Matt Quinn, US Fish and Wildlife Service and US Bureau of Reclamation, December 1999.
- Book—*Valley For Dreams: Life and Landscape in the Sacramento Valley* (with Susan Hardwick), Lanham, MD: Roman & Littlefield, 1996.
- Book—*Geography For Educators: Concepts, Standards and Themes* (with Susan Hardwick), Englewood Cliffs, NJ: Prentice Hall, 1995.
- Poster—*Concepts, Themes and Standards in Geography*, Northern California Planning and Research, 1996.
- Article—"Measuring Growth Inducement from Transportation Projects," Working Papers, Lincoln Institute of Land Policy, 1993.
- Membership Brochure—Association of Pacific Coast Geographers, 1993.
- Article—"Relicts of a Time of Turbulence: Autocamps by the River" (with Susan Hardwick), *The Californias*, 1991.
- Map—"Wineries and Vineyards of California," with Stuart Allan, Raven Maps and Images, 1989, revised 1997.
- Book Review—*World Geography* by Silver Burdett in "The Textbook Letter; A National Report on Schoolbook Affairs," July-August 1992.

Map—"Vineyards and Wineries of the Napa-Sonoma Region," Raven Maps, 1995.

Textbook—*Patterns On Our Planet: Concepts and Themes in Geography* (with Susan Hardwick), Macmillan Publishing Co., 1990.

Article—"Concepts in Geography for Implementing the State Social Studies Framework" (with Susan Hardwick), *Social Studies Review*, Fall 1988.

Book Review—*Graphicacy and Geography Teaching* by David Boardman (with Susan Hardwick), in *Journal of Geography*, September 1984.

Article—"Classroom Construction of Relief Models," *Geography Bulletin*, Journal of the Geography Teacher's Association of New South Wales, Australia, Fall 1981.

Article—"What the California Geography Taught Me," *The California Geographer*, V 18:26-28, 1980.

Article—"Classroom Construction of Relief Models," *The California Geographer*, V 19:105-107, November 1979.

Filmstrip Series—"Working with Maps," (six slide-tape presentations for junior high school students on map uses and map making), Barr Films, March 1979.

Special Edition—*Cumulative Index to the California Geographer 1960-1978*, California Council for Geographic Education, January 1979.

Script for three educational films—"Visit to the Third Planet," Don Barr Films, Altadena, CA, January 1978.

Book—*The California Wine Atlas*, Hayward, California, 1978, 46 pages.

Instructor's Manual for Spencer and Thomas, *Introducing Cultural Geography*, 2nd ed., 1978, 64 pages.

Article—"Social Studies Concept and Mother Earth," *Social Studies Review*, V 15, 1976.

National Council for Geographic Education Special Publications—*Bibliography Effective Geography Field Trips* (with Carol Mathason), August, 1976.

Text for the section entitled—"Settlement of the Willamette Valley," *Atlas of Oregon*, University of Oregon, July 1976.

Book Review—*Americans and the California Dream*, by Kevin Starr in *Historical Geography Newsletter*, Fall 1975.

Article—"Geographic Process in American History," in *Journal of Geography*, V 75, No. 1, January 1976.

Article—Frederick Jackson Turner Map Collection, An Annotated Bibliography," *Historical Geography Newsletter*, V 5, No. 1, Spring 1975.

Book—*Instructor's Manual for Thomun and Corbin, The Geography of Economic Activity*, New York: McGraw-Hill, 1974, 87 pages.

Article—Frederick Jackson Turner as a Regionalist," *The Professional Geographer*, VXXVI:159-165, May 1974.

Book Review—*Freshwater Fish and Fishing in North America*, by Erhard Rostland, published in *American Currents*, Spring 1974.

Article—"Pioneer Commentaries as an Aid to Teaching Historical Geography." *Oregon Geographer*, V VI: 1-4, Fall 1973.

Article—"The Effects of the Railroad on Linn County, Oregon, Town Population Changes." The Effects of the Railroad on Linn County, Oregon, Town Population Changes." *Yearbook of the Association of Pacific Coast Geographers*, V 35:87-102, 1973.

Article—"Geography of the Vine," *Oregon Geographer*, V VI:1-25, Spring 1972.

Maps and Diagrams in—*The Last Best Hope*, by McDonald, Decker and Goven, Addison-Wesley Publishing Co., 1972.

Article—"An Analysis of the Effectiveness of High School Geography Field Trips," *Oregon Geographer*, V IV:17-20, October 1970.

PUBLICATIONS IN PROGRESS

Book—*Zen in the Tidepool: The life and Thoughts of Edward F. Ricketts*, 2000.

Textbook—*Environmental Planning in the United States*, 2000.

EDITORIAL POSITIONS

Editor *The California Geographer*, 1975 – 1980.

Book Series Editor, *Geography in the New Millenium*, Rowmann & Littlefield, 1997 – 2001.

AWARDS, GRANTS, CREDENTIALS AND OFFICES

AWARDS

Annual Environmental Awareness Award, Chico Rotary Club, 1999.

University Merit Teaching Award (PIL), CSUC, 1999.

University Performance Salary Step Increase (PSSI) Aware, 1996.

Certificate of Service, National Geographic Society, 1997.

Certificate of Appreciation, California Geographical Society, 1996.

Certificate of Appreciation, Sigma Chi Fraternity, 1995.

Grand Consul's Citation, Sigma Chi Fraternity, 1992.

CSU Professional Achievement Awarded, 1995.

Certificate of Appreciation, National Geographic Society, 1989, 1992.

California Geographical Society Outstanding Educator Award, 1989.

California State University, Hayward, Meritorious Performance and Professional Promise Award, 1984-1985.
Police Officer Certificate of Merit, California Commission on Peace Officer Standards and Training, 1980.
Service Award, San Leandro Police Department, 1980.

GRANTS

NFWF, *Deer Creek Education and Outreach* \$15,542. Funded. 1998.
CALFED/EPA, *Deer Creek Rangeland* \$25,600. Funded. 1999.
CALFED/EPA, *Deer Creek Highway 32 Spill Contingency Plan* \$8,665. Funded. 1999.
CALFED/EPA, *Deer Creek Fire Management* \$21,050. Funded. 1999.
CALFED/EPA, *Deer Creek Education and Outreach* \$27,792. Funded. 1999.
CALFED/USFWS, *Highway 99 Demo Task 1* \$21,482. Funded. 1999.
RWQCB, *Deer Creek 204 Upper Meadows* \$155,140. Funded. 1999.
SWRQCB, *Electronic Resource Center Administration* \$65,000. Funded. 1999.
CSU, Chico, *Honey Run Site Planning* \$8,000. Funded. 1999.
CSU, Chico Technology and Learning Program, *Supplemental Funding for Geodigital Project* \$5,000. Funded. 1999.
USFWS, *Property Acquisition on Butte Creek*, \$125,000. Funded. 1998.
USFWS, *Central Valley Historical Mapping*, \$250,000. Funded. 1998.
CALFED, *Upper Butte Creek Watershed Road Survey*, \$50,135. Funded. 1998.
CALFED, *Fluvial Geomorphological Study of Butte Creek*, \$152,024. Funded. 1998.
CALFED, *Butte Creek Education Program*, with Allen Harthorn \$59,411. Funded. 1998.
FSOS, *Watershed Coordinator for the Butte Creek Watershed Conservancy*, with Brendan Vieg \$50,066. Funded. 1998.
USFWS, *Assistant Coordinator for the Butte Creek Watershed Conservancy*, with Brendan Vieg \$52,000. funded. 1999.
USFWS, *Training Course—Working at a Watershed Level* \$63,500. Funded. 1998.
CALFED, *Butte Creek Riparian Restoration Demonstration*, with Allen Harthorn \$76,348. Funded. 1999.
CALFED, *Educational Workshops and Field Tour Series, Butte Creek*, with Laura Lukes \$33,000. Funded. 1999.
USFWS, *Watershed Management Strategy, Butte Creek*, \$81,800. Funded. 1998.

CALFED, *Preparation of Watershed Management Strategy, Phase II, for Big Chico Creek Watershed Alliance* \$100,000. Funded. 1999.

CALFED, *Preparation of Management Strategy, Phase I, for Big Chico Creek Watershed Alliance* \$276,000. Funded. 1997.

CALFED, *Habitat Restoration Projects for Deer Creek*. \$296,554. Funded. 1997.

Water Quality Control Board (204), *Habitat Restoration Projects for Deer Creek Watershed*, with Richard Holman. \$607,758. Funded. 1998.

National Fish and Wildlife Foundation, *Property Acquisition for Butte Creek Ecological Preserve and Management* \$132,441. Funded. 1997.

CALFED, *Property Acquisition for Butte Creek Ecological Preserve* \$187,128. Funded. 1997.

USFW, *Management Strategy for Deer Creek*, FY 97, \$80,000. Funded.

National Fish and Wildlife Foundation, *Education Program for Deer Creek Watershed Conservancy* \$15,000. Funded. 1997.

Environmental Protection Agency and Sacramento Regional Sanitation District, *Information Coordination and Delivery for the Sacramento Watershed Program, Phase IV*, Submitted January 1998 for \$250,000. Funded for \$165,000. 1999.

U.S. Fish and Wildlife Service. *Watershed Management Strategy*, Butte Creek FY 97. \$160,000. Funded. 1997.

Regional Water Quality Control Board (319h), *Butte Creek Educational Program* \$43,000. Funded. 1997.

National Fish and Wildlife Foundation, *California Salmon Project, Butte Creek* \$138,052. Funded. 1997.

US Bureau of Reclamation, *Restoration of State Fish and Game Butte Creek Ecology Area*, submitted November 1996 for \$50,000. Not Funded.

California Regional Water Quality Control Board, *Educational Program for the Deer Creek Watershed* \$15,000. Funded. 1996.

National Fish and Wildlife Foundation, two grants for *Watershed Management Plan for Butte Creek and Deer Creek* \$83,000 and \$120,000. Funded. 1996.

US Fish and Wildlife Service, two grants for *Deer Creek Management Plan and Butte Creek Management Plan* \$160,000. Funded. 1996.

California Regional Water Quality Control Board, two grants for *Water Quality Education Programs for Deer Creek* \$55,000. Funded. 1996.

The Nature Conservancy, *An Environmental Analysis of Upper Butte Creek* \$30,000. Funded. 1996.

USEPA, *Big Chico Creek Watershed Monitoring* \$30,000. Funded. 1995.

CSUC Provost's Office, *Going Geodigital: Using Multimedia Technology to Enhance Collaborative Learning and State and National Connections in a Distance Learning Course* \$100,000. Funded. 1996.

Summer Scholar's Grant, *field work and conference participation in Nanjing, China*, "Sustaining the Masses: Environmental Protection in China," CSUC \$5,000. Funded. 1996.

Summer Scholar's Research Award, *biography of Edward F. Ricketts*, CSUC \$5,000. Funded. 1991.

Japan Foundation Fellowship for Travel and Research in Japan \$20,000. Funded. 1986.

CREDENTIALS

Certificate of Completion, Special Training in Watershed Planning and Management, U.S. Fish and Wildlife Service National Conservation Training Center, Sheppardstown, WV, 1998.

Certificate of Participation, Program in Subtropical Marine Ecology, California State University, Dominguez Hills, CA 1998.

Certificate of Completion, Course in Ecology of Marine Mammals in Monterey Bay, CA. University of Pittsburgh, PA 1998.

Certificate of Participation, Ecology of the Siskiyou Mountains, Southern Oregon, University, 1997.

Certificate of Completion, *Land Use and Transportation Planning*, Lincoln Land Institute, May 1993.

Certificate in Wetlands Delineation, Wetlands Training Institute, Orlando FL, 1991.

Certification in American Institute of Certified Planners (AICP), 1989.

Six various Certificates of Completion in Land Use Planning, and Environmental Impact Assessment, University of California, Davis 1988 – 1989.

California State General Secondary Teaching Credential, 1964.

California State School Administration Credential, 1970.

Police Officer's Certificate of Training, California Commission on Peace Officer Standards and Training, 1974.

RECENT PROFESSIONAL PRESENTATIONS (1990-2000 ONLY)

Using GIS to Build Historical Maps of Land Cover in California's Central Valley, with Kent Lundberg and Matt Quinn. Meeting of the Association of American Geographers, April 2000, Pittsburgh, PA.

Building University Connections in Watershed Planning and Management, Chico Rotary Club, December 1999.

Building Community Connections in Watershed Planning, President's Advisory Council, California State University, Chico, August 1999.

Involving Students in Land Use and Environmental Projects, with Kristin Cooper-Carter, National Watershed Council, Austin TX, May 17, 1999.

Legal Foundations and Requirements for Watershed Planning and Management, Environmental Law Conference, California State University, Chico, April 17, 1999.

How to Involve Students in Watershed Planning and Management, Interagency Forum on Environmental Programs, Shasta College, March 5, 1999.

Working at the Watershed Level: A Training Course, for U.S. Fish and Wildlife Service and U.S. Bureau of Reclamation, at CSU, Chico, January 11 through 15, 1999.

Using the WWW with Satellite Instruction, TILT Consortium Session, October 16, 1998.

Environment and the Development Process. A Day Long Workshop for Planning Commissioners, Professional Planners and Developers, March 13, 1998, Orland CA.

Use of Multi-Media in Distance Learning, A presentation to Leadership Butte, A Butte College faculty organization, Feb. 5, 1998.

General Plan Workshop, A Day Long Workshop for Planning Commissioners, Professional Planners and Developers, January 23, 1998, Arcada CA.

"Water Quality in Butte Creek, California" Panel Discussion, Chico High School West, Chico CA, October 30, 1997.

"Habitat Restoration Planning on Butte Creek, California" Sustainable Fisheries Foundation, Sustainability Forum, November 30, 1997. Squamish British Columbia, Canada.

"Scope of Services from the California State University" at Sustainable Sierra Project Outreach Forum, Chico, CA, May 29, 1997.

"Using Maps on the Web, the Geodigital Project" College of Behavioral and Social Science Workshop on Student Centered Learning, CSUC, May 1, 1997.

"Issues and Solutions for Butte Creek" Creeks of Chico Conference, Sacramento River Preservation Trust, Chico, CA, April 26, 1997.

"Learning with Technology, the Geodigital Project" Technology and Learning Center Conference, CSUC, April 25, 1997.

"The Role of the Center for Natural Lands Management in Fisheries Conservation," Salmonid Restoration Federation Annual Conference, Redding, CA, February 13, 1977.

"Facing Multiple Challenges of Watershed Planning and Management," Association of American Geographers, Forth Worth, TX, April 1997.

"Life and Landscape in the Sacramento Valley," Sacramento River Conservancy Fall Convocation, Red Bluff, CA, December 1996.

"Sustaining the Masses: Environmental Issues in China," International Forum, California State University, Chico, December 1996.

"Advanced Uses of the World Wide Web" (with Brian Oppy), University CELT Conference, September 1996.

"Results of a Physical Stream Survey on Butte Creek, Butte County, California," Centerville CA, to the Spring-Run Salmon Working Group, November 1995, also to California Geographical Society, May 1996.

"Results of a Traffic and User Survey for Sierra County, California," Loyalton CA, October 1995.

California Department of Transportation, "Implementing the California Environmental Quality Act," Sacramento, June 1993

Association of Pacific Coast Geographers, "Population and Economic Growth Inducement from Transportation Projects," Annual Meeting, August 1992.

Association of Environmental Professionals. "Population and Economic Growth Inducement from Transportation Projects," March 1993.

University Center for Planning and Economic Development, "Land Use and Economic Development," Summer Institute, June 1992.

APA North Valley Section "AICP Environmental Planning Workshop," March 7, 1992.

UNIVERSITY LEVEL CLASSES TAUGHT

Environmental Planning and Management
Site Planning
Environmental Impact Assessment
Planning Methods
Urban Planning
Environmental Field Camp
Introduction to Environmental Studies

Water Resources
Transportation Planning
Planning Studio
Environmental Issues
Field Geography
Introduction to Planning
Biogeography

CONSULTING REPORTS AND PROJECTS

Published over two hundred Research Reports, Site Development Plans, Environmental Impact Reports, City General Plans, Feasibility Studies, and Habitat Restoration Plans for Cities, Counties, and various State Agencies, such as Caltrans, The State Department of Fish and Game, and the State Lands Commission. Nonprofit organizations worked with include The Nature Conservancy, the Center for Natural Lands Management, and the Parks and Preserves Foundation. Also have served as an expert witness for the State Attorney General's Office, the State Lands Commission, and the City of San Mateo. Currently on retainer to the Natural Heritage Institute, as a consulting expert on water resources

issues. A list of the most recent projects since 1990 is included. A list of all projects is available on request.

LIST OF RECENT CONSULTING PROJECTS

Rose Avenue Restoration Project, Boice/Butte County, In Progress.

Biggs Housing Income Survey, City of Biggs, October 1999.

Watershed Management Strategy for the Big Chico Creek Watershed Alliance, with Suzanne Gibbs, January 2000.

Highway 32 Emergency Spill Contingency Plan for the Deer Creek Watershed Alliance, with Dianne Gaumer, January 2000.

Initial Study for Seven Eleven Market, Willows, with Brendan Vieg, December 1999.

Land Management Plan for the Butte Creek Ecological Preserve, Honeyrun Unit with Laura Lukes, CSU Chico Research Foundation, in progress.

Land Management Plan for the Butte Creek Ecological Preserve, Virgin Valley Unit, with Kathy McKay, California Department of Fish and Game, in progress.

Land Management Plan for the Keeney Ecological Preserve, Center for Natural Lands Management, Durham CA, in progress.

Restoration Plan for the Keeney Ranch, with Lisa Stallings, Butte County CA. With the Center for Natural Lands Management, 1999.

Wetland Mitigation Plan, with Lisa Stallings, City of Red Bluff, 1999.

Initial Study for the Jack in the Box Development, with Kent Lundberg, Corning CA, December 1998.

Wetland Delineation, City of Red Bluff Industrial Park, with Lisa Stallings, Red Bluff CA, July 1998.

Environmental Impact Report Amendment for City Sewage Treatment Plant Expansion, with Keith McKinley, City of Corning, in progress.

Regional Bikeways Plan, County of Tehama, with Kent Lundberg, May 1999.

Housing Conditions Survey for the City of Red Bluff, with Kent Lundberg and Community Housing Improvement Program, March 1999.

Trails Plan for the City of Red Bluff, California, with Kent Lundberg, 1999.

Parcel Map and Development Plan for the Pyle Property in Koncow California, January 1998.

Historical Geography Mapping Product Review for Tom Snyder Productions, Watertown Matt Quinn, June 1998.

Wetlands Delineation for the Red Bluff Municipal Airport, with Caroline Warner, City of Red Bluff, California, October 1997.

General Plan for the City of Colfax, CA, with Kamela Polo and Marne Cottrell, November 1998.

Law Enforcement Activity Report for the Deer Creek Watershed, with Dianne Gaumer, Deer Creek Watershed Alliance, 1999.

Watershed Management Strategy for the Butte Creek Watershed Conservancy, with Brendan Vieg, in progress.

Draft Existing Conditions Report for the Butte Creek Watershed Conservancy, November 1998.

Habitat Management Plan for Doe Mill Road Nature Preserve for the City of Chico, with the Center for Lands Management, July 1996.

Water quality and bio-assessment monitoring program, Deer Creek Watershed Conservancy, in progress.

Grazing Management Program, Deer Creek Watershed Conservancy, in progress.

Final Existing Conditions Report for the Butte Creek Watershed Conservancy, in progress.

Revision of the City of Red Bluff Zoning Ordinance, January 1997.

Site Location Analysis for Butte County Wetlands Mitigation Bank, for Butte County Fish and Game, June 1996.

Water Quality Monitoring and Evaluation of Big Chico Creek, CA, with Glen Foley, for California Department Water Resources, May 1996.

Revised Land Use Element, City of Willows, with William Davis, February 1996.

Initial Study for City of Corning Sewage Treatment Plant Expansion, March 1996.

Survey and Analysis of Trailer Parks and Camps in Chico, with Michael Schuller, April 1996.

Economic Impact Statement for California Water Project Operations in Trinity County, CA, with David Kelly, in progress.

Land Use Element for City of Willows General Plan, with William Davis, May 1996.

Subject Matter Content Outline, for five Staff Workshops, California Department of Transportation February 1997.

Visual Preference Survey for City of Corning, with Kamela Blas, June 1996.

Environmental Impact Report for City of Red Bluff Sewage Treatment Plant Expansion, with Megan Moriarty, August 1996

Environmental Impact Assessment for Sewage Treatment Plant Expansion, City of Corning, with Megan Moriarty, October 1996.

Environmental Impact Report/Impact Statement, Tahoe Regional Planning Agency and Placer County, North Shore Community Plans, with William Collins, May 1996.

Revised Housing Element, City of Dunsmuir, with Marne Cottrell, October 1995.

Physical Stream Survey of Butte Creek, of Butte Creek, Butte County, CA, with Gordon Holtgrieve, for the Nature Conservancy, November 1995.

Initial Study for General Plan Amendment and Zone Changes, City of Corning, CA, November 1995.

User Survey for the Gold Lake Road Area, Sierra County, November 1995.

Revision of the City of Red Bluff Zoning Ordinance, in progress.

Specific Plan For the Highway 99 Corridor, City of Corning with Kamela Polo, in progress.

Land Use Survey for Butte County Agricultural Element with Kristin Siefert, November 1994.

Noise Element, City of Red Bluff, June 1993.

Corning General Plan, City of Corning, April 1994.

Initial Study for Willow Creek Subdivision, Red Bluff, CA, June 1992.

Initial Study for Mercy Housing Project, Red Bluff, CA, April 1993.

Research Report, "Growth Inducement Factors in Transportation Projects," California Department of Transportation, 1993.

Housing Element of the City of Red Bluff General Plan with David Burkland, January 1992.

Research Report Representation of Japan in U.S. Geography Textbooks, National Science Foundation and U.S. Japan Foundation with Pamela Posey-Gilgert, July 1991.

Wetland Delineation Study of Project Consultants Properties with Richard Haiman, Chico, CA, June 1991.

Environmental Initial Study, California State University, Equestrian Center with Celia McAdam, June 1991.

Environmental Analysis and Mapping for Coon Street Property, Kings Beach, CA with Dean Chapla and Ann Teubert, for California Tahoe Conservancy, May 1991.

Environmental Analysis and Mapping for Sandy Beach Property, North Lake Tahoe with Dean Chapla and Ann Teubert, For California Tahoe Conservancy, May 1991.

Traffic Analysis for Colusa Industrial Park, Colusa County, CA, for Ecoanalysts, May 1991.

Wetland Delineation Study of Task Consultants Properties with Douglas Alexander and Kingsly Stern, Chico, CA, May 1991.

Consultant's Report to Black Butte Irrigation District with Stewart Mitchell, Orland, CA, May 1991.

Environmental Analysis for Carnelian Bay Park with Ann Teubert, California Tahoe Conservancy, April 1991.

Air Quality Analysis, Vineyard Ranch, Yuba County, CA, for Ecoanalysts, March 1991.

Air Quality Analysis, Valley View Estates, Yuba County, CA, for Ecoanalysts, March 1991.

Maps for the Land Use Element of the Redding General Plan with Peter Crosbie, for the City of Redding, CA, October 1990.

Acoustical and Air Quality Analysis for Evora Road Improvements, Contra Costa, CA, October 1991.

Acoustical and Air Quality Analysis, "Rockridge Bart Station and Parking Expansion and Joint Development," for Bay Area Rapid Transit District, August 1990.

Special Plan for the Development of the Placer Ranch, Lincoln, CA for Y.C.S. Investments, Inc., San Francisco and Hong Kong, August 1990.

Plan for Wildlife Habitat Enhancement Project, South Lake Tahoe with Roger Lederer, for the City of South Lake Tahoe, July 1990.

Traffic Study for Alpine County, with Gail Coensgen and Julie Cunningham, June 1990.

Acoustical and Air Quality Analysis for Livorna Road Improvements, Contra Costa County, CA, February 1990.

Acoustical and Air Quality Analysis, Rezoning and Annexation for the Maritime Business Park, for the City of Martinez, CA, February 1990.

Noise and Air Quality Assessment for Tower Park Marina, San Joaquin County, December 1988.

Noise Assessment for Proposed New Jail Facilities, Alameda County, CA, November 1988.

WILDLIFE PRESERVES MANAGER

Butte Creek Preserve, Keeney Ranch, for Center for Natural Lands Management.

Butte Creek Preserve, Honeyrun unit, for CSUC Research Foundation.

Butte Creek Environmental Reserve, Valley and Canyon units, State Department of Fish and Game.

Chico Creek Preserve, Simmons Ranch, for CSUC Research Foundation.

APPLICATION FOR FEDERAL ASSISTANCE

 2. DATE SUBMITTED
5/15/00

Applicant Identifier

1. TYPE OF SUBMISSION

Application

Preapplication

☐ Construction☐ Construction☒ Non-Construction☐ Non-Construction

3. DATE RECEIVED BY STATE

State Applicant Identifier

4. DATE RECEIVED BY FEDERAL AGENCY

Federal Identifier

5. APPLICANT INFORMATION

Legal Name: The CSU, Chico Research Foundation

Organizational Unit:

Address (give city, county, state, and zip code):

 Kendall Hall, Room 114
 CSU, Chico
 Chico, Butte Co., CA 95929-0870

Name and telephone number of person to be contacted on matters involving this application (give area code)

Technical: Don Holtgrieve (530-898-5780)

Budgetary: Jeff Wright (530-898-5700)

Contractual: Virginia Sturr (530-898-5700)

6. EMPLOYER IDENTIFICATION NUMBER (EIN):

6 8 - 0 3 8 6 5 1 8

8. TYPE OF APPLICATION:

☒ New ☐ Continuation ☐ Revision

If Revision, enter appropriate letter(s) in box(es):

 A. Increase Award B. Decrease Award C. Increase Duration
 D. Decrease Duration Other (specify):

7. TYPE OF APPLICANT: (enter appropriate letter in box)

1

- A. State H. Independent School Dist.
 B. County I. State Controlled Institution of Higher Learning
 C. Municipal J. Private University
 D. Township K. Indian Tribe
 E. Interstate L. Individual
 F. Intermunicipal M. Profit Organization
 G. Special District N. Other (Specify) _____

9. NAME OF FEDERAL AGENCY:

10. CATALOG OF FEDERAL DOMESTIC ASSISTANCE NUMBER:

 .

TITLE: CALFED Bay-Delta Program

11. DESCRIPTIVE TITLE OF APPLICANT'S PROJECT:

 Management Plan Implementation for Ecological Preserves
 of Butte County

12. AREAS AFFECTED BY PROJECT (cities, counties, states, etc.):

Butte County

13. PROPOSED PROJECT:

14. CONGRESSIONAL DISTRICTS OF:

 Start Date Ending Date
 1/1/2001 12/31/2003

a. Applicant

2nd

b. Project

2nd

15. ESTIMATED FUNDING:

a. Federal	\$	217,691.00
b. Applicant	\$.00
c. State	\$.00
d. Local	\$.00
e. Other	\$	3,500.00
f. Program Income	\$.00
g. TOTAL	\$	221,191.00

16. IS APPLICATION SUBJECT TO REVIEW BY STATE EXECUTIVE ORDER 12372 PROCESS?

 a. YES. THIS PREAPPLICATION/APPLICATION WAS MADE
 AVAILABLE TO THE STATE EXECUTIVE ORDER 12372
 PROCESS FOR REVIEW ON:

DATE _____

- b. NO. ☐ PROGRAM IS NOT COVERED BY E.O. 12372
☐ OR PROGRAM HAS NOT BEEN SELECTED BY STATE
 FOR REVIEW

17. IS THE APPLICANT DELINQUENT ON ANY FEDERAL DEBT?

☐ Yes If "Yes," attach an explanation. ☒ No

18. TO THE BEST OF MY KNOWLEDGE AND BELIEF, ALL DATA IN THIS APPLICATION/PREAPPLICATION ARE TRUE AND CORRECT. THE DOCUMENT HAS BEEN DULY AUTHORIZED BY THE GOVERNING BODY OF THE APPLICANT AND THE APPLICANT WILL COMPLY WITH THE ATTACHED ASSURANCES IF THE ASSISTANCE IS AWARDED.

 a. Typed Name of Authorized Representative
 Jeff Wright

 b. Title
 Director, Office of Sponsored Programs

 c. Telephone number
 530-898-5700

d. Signature of Authorized Representative


e. Date Signed

California State University, Chico
Chico, California 95929-0425

Department of Geography and Planning
Watershed Projects
530-898-4083
Fax: 530-898-6781



To: All Concerned Stakeholders

From: Donald Holtgrieve 
California State University, Chico
Watershed Projects Program Director
Phone: (530) 898-4083
E-mail: dholtgrieve@csuchico.edu

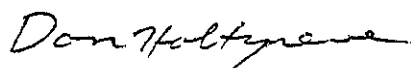


Attached please find one copy of our recent CALFED proposal submission, titled *Butte County Preserves Management*. This proposal concerns the current landholdings of the California State University, Chico Research Foundation (Foundation), consisting of the Butte Creek Ecological Preserve (Honey Run Unit) and the Big Chico Creek Ecological Preserve (Simmons Unit). The Foundation recognizes that the key to restoring and sustaining our local chinook salmon and steelhead trout populations is protecting and restoring the regional habitat on which these species depend. In keeping with that objective, the Foundation also recognizes that the cornerstone of habitat protection is the support of the regional community for that habitat and the guidance of local, state and federal conservation agencies to maintain and improve that habitat.

This proposal has been developed to secure funding for the collection of baseline data regarding the Simmons Unit necessary for the completion of an adaptive management plan, to expand and maintain the infrastructure of the Simmons Unit as well as the Honey Run Unit, to provide opportunities for institutional and public research and ecological awareness education activities, to create exotics removal plans for both units, and to prepare recreational use plans for both units.

This proposal does not include funds for implementation of any management or monitoring plans but focuses instead on the development of a management advisory team to assist in the further development of the Honey Run Unit Plan, create the Simmons Unit Plan, and oversee educational and monitoring activities on both units. This team will be comprised of members of local government, agencies, conservation and agricultural organizations, neighboring landowners, college faculty, and interested citizens. The team will reflect regional stakeholders to the greatest extent possible, in the hope that by including those involved, the management of both preserves will adapt to the needs of the community while protecting the critical salmonid habitat.

This letter and proposal has been sent to the following list of stakeholders. If there are any other persons or organizations that you feel should receive this letter and proposal, please do not hesitate to contact me.





Draft Stakeholder List

Educational Groups:

Butte College faculty
CSU, Chico Research Foundation
California State University, Chico faculty
Chico Unified School District
Durham Unified School District
Oroville Unified School District
Paradise Unified School District
University of California, Cooperative Extension

Landowners:

All landowners neighboring both units.

Local Governance:

Butte County Agricultural Commission
Butte County Board of Supervisors
Butte County Community Development Division
Butte County Public Works Department
Butte County Department of Water Resources
The City of Chico City Council
The City of Chico Planning Department

Non-Profit Organizations:

Audubon Society
Big Chico Creek Watershed Alliance
Butte County Farm Bureau
Butte Creek Watershed Conservancy
Butte Environmental Council
California Native Plant Society
Friends of the River
Sacramento River Preservation Trust
Streaminders/Isaac Walton League
Sacramento River Watershed Program
Sierra Club

State/National Agencies:

CA Association of Resource Conservation Districts
California Department of Fish and Game
California Department of Parks and Recreation
California Department of Water Resources
California Water Quality Control Board
California Wildlife Conservation Board
National Fish and Wildlife Foundation
U.S. Bureau of Reclamation
U.S. Environmental Protection Agency
U.S. Fish and Wildlife Service



SECTION A - BUDGET SUMMARY

SECTION B - BUDGET CATEGORIES

SECTION C - NON FEDERAL RESOURCES					
(a) Grant Program	(b) Applicant	(c) State	(d) Other sources		(e) TOTALS
8. Mngmt. Plan	\$ 7,000	\$ 0	\$ 0		7,000
9. Infrastructure					0
10. RFP Process					0
11. Recreation Monitor					0
12. TOTALS (sum of lines 8 and 11)	\$ 7,000	\$ 0	\$ 0		\$ 7,000
SECTION D - FORECASTED CASH NEEDS					
	Total for 1st Year	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter
13. Federal	\$ 108,845	\$ 27,211	\$ 27,211	\$ 27,211	\$ 27,211
14. NonFederal	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0
15. TOTAL (sum of lines 13 and 14)	\$ 108,845	\$ 27,211	\$ 27,211	\$ 27,211	\$ 27,211
SECTION E - BUDGET ESTIMATES OF FEDERAL FUNDS NEEDED FOR BALANCE OF THE PROJECT					
(a) Grant Program	FUTURE FUNDING PERIODS (YEARS)				
	(b) First	(c) Second	(d) Third	(e) Fourth	
16. Mngmt. Plan	\$ \$108,845	\$	\$	\$	
17. Infrastructure					
18. RFP Process					
19. Recreation Monitor					
20. TOTALS	\$ 108,845	\$ 0	\$ 0	\$ 0	
SECTION F - OTHER BUDGET INFORMATION					
21. Direct Charges: #####	22. Indirect Charges \$48,967				
23. Remarks:					

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ASSURANCES - NON-CONSTRUCTION PROGRAMS

Public reporting burden for this collection of information is estimated to average 15 minutes per response, including time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding the burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to the Office of Management and Budget, Paperwork Reduction Project (0348-0040), Washington, DC 20503.

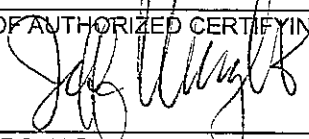
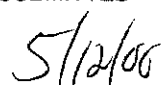
**PLEASE DO NOT RETURN YOUR COMPLETED FORM TO THE OFFICE OF MANAGEMENT AND BUDGET.
SEND IT TO THE ADDRESS PROVIDED BY THE SPONSORING AGENCY.**

NOTE: Certain of these assurances may not be applicable to your project or program. If you have questions, please contact the awarding agency. Further, certain Federal awarding agencies may require applicants to certify to additional assurances. If such is the case, you will be notified.

As the duly authorized representative of the applicant, I certify that the applicant:

1. Has the legal authority to apply for Federal assistance and the institutional, managerial and financial capability (including funds sufficient to pay the non-Federal share of project cost) to ensure proper planning, management and completion of the project described in this application.
2. Will give the awarding agency, the Comptroller General of the United States and, if appropriate, the State, through any authorized representative, access to and the right to examine all records, books, papers, or documents related to the award; and will establish a proper accounting system in accordance with generally accepted accounting standards or agency directives.
3. Will establish safeguards to prohibit employees from using their positions for a purpose that constitutes or presents the appearance of personal or organizational conflict of interest, or personal gain.
4. Will initiate and complete the work within the applicable time frame after receipt of approval of the awarding agency.
5. Will comply with the Intergovernmental Personnel Act of 1970 (42 U.S.C. §§4728-4763) relating to prescribed standards for merit systems for programs funded under one of the 19 statutes or regulations specified in Appendix A of OPM's Standards for a Merit System of Personnel Administration (5 C.F.R. 900, Subpart F).
6. Will comply with all Federal statutes relating to nondiscrimination. These include but are not limited to: (a) Title VI of the Civil Rights Act of 1964 (P.L. 88-352) which prohibits discrimination on the basis of race, color or national origin; (b) Title IX of the Education Amendments of 1972, as amended (20 U.S.C. §§1681-1683, and 1685-1686), which prohibits discrimination on the basis of sex; (c) Section 504 of the Rehabilitation Act of 1973, as amended (29 U.S.C. §794), which prohibits discrimination on the basis of handicaps; (d) the Age Discrimination Act of 1975, as amended (42 U.S.C. §§6101-6107), which prohibits discrimination on the basis of age; (e) the Drug Abuse Office and Treatment Act of 1972 (P.L. 92-255), as amended, relating to nondiscrimination on the basis of drug abuse; (f) the Comprehensive Alcohol Abuse and Alcoholism Prevention, Treatment and Rehabilitation Act of 1970 (P.L. 91-616), as amended, relating to nondiscrimination on the basis of alcohol abuse or alcoholism; (g) §§523 and 527 of the Public Health Service Act of 1912 (42 U.S.C. §§290 dd-3 and 290 ee 3), as amended, relating to confidentiality of alcohol and drug abuse patient records; (h) Title VIII of the Civil Rights Act of 1968 (42 U.S.C. §§3601 et seq.), as amended, relating to nondiscrimination in the sale, rental or financing of housing; (i) any other nondiscrimination provisions in the specific statute(s) under which application for Federal assistance is being made; and, (j) the requirements of any other nondiscrimination statute(s) which may apply to the application.
7. Will comply, or has already complied, with the requirements of Titles II and III of the Uniform Relocation Assistance and Real Property Acquisition Policies Act of 1970 (P.L. 91-646) which provide for fair and equitable treatment of persons displaced or whose property is acquired as a result of Federal or federally-assisted programs. These requirements apply to all interests in real property acquired for project purposes regardless of Federal participation in purchases.
8. Will comply, as applicable, with provisions of the Hatch Act (5 U.S.C. §§1501-1508 and 7324-7328) which limit the political activities of employees whose principal employment activities are funded in whole or in part with Federal funds.

9. Will comply, as applicable, with the provisions of the Davis-Bacon Act (40 U.S.C. §§276a to 276a-7), the Copeland Act (40 U.S.C. §276c and 18 U.S.C. §874), and the Contract Work Hours and Safety Standards Act (40 U.S.C. §§327-333), regarding labor standards for federally-assisted construction subagreements.
10. Will comply, if applicable, with flood insurance purchase requirements of Section 102(a) of the Flood Disaster Protection Act of 1973 (P.L. 93-234) which requires recipients in a special flood hazard area to participate in the program and to purchase flood insurance if the total cost of insurable construction and acquisition is \$10,000 or more.
11. Will comply with environmental standards which may be prescribed pursuant to the following: (a) institution of environmental quality control measures under the National Environmental Policy Act of 1969 (P.L. 91-190) and Executive Order (EO) 11514; (b) notification of violating facilities pursuant to EO 11738; (c) protection of wetlands pursuant to EO 11990; (d) evaluation of flood hazards in floodplains in accordance with EO 11988; (e) assurance of project consistency with the approved State management program developed under the Coastal Zone Management Act of 1972 (16 U.S.C. §§1451 et seq.); (f) conformity of Federal actions to State (Clean Air) Implementation Plans under Section 176(c) of the Clean Air Act of 1955, as amended (42 U.S.C. §§7401 et seq.); (g) protection of underground sources of drinking water under the Safe Drinking Water Act of 1974, as amended (P.L. 93-523); and, (h) protection of endangered species under the Endangered Species Act of 1973, as amended (P.L. 93-205).
12. Will comply with the Wild and Scenic Rivers Act of 1968 (16 U.S.C. §§1271 et seq.) related to protecting components or potential components of the national wild and scenic rivers system.
13. Will assist the awarding agency in assuring compliance with Section 106 of the National Historic Preservation Act of 1966, as amended (16 U.S.C. §470), EO 11593 (identification and protection of historic properties), and the Archaeological and Historic Preservation Act of 1974 (16 U.S.C. §§469a-1 et seq.).
14. Will comply with P.L. 93-348 regarding the protection of human subjects involved in research, development, and related activities supported by this award of assistance.
15. Will comply with the Laboratory Animal Welfare Act of 1966 (P.L. 89-544, as amended, 7 U.S.C. §§2131 et seq.) pertaining to the care, handling, and treatment of warm blooded animals held for research, teaching, or other activities supported by this award of assistance.
16. Will comply with the Lead-Based Paint Poisoning Prevention Act (42 U.S.C. §§4801 et seq.) which prohibits the use of lead-based paint in construction or rehabilitation of residence structures.
17. Will cause to be performed the required financial and compliance audits in accordance with the Single Audit Act Amendments of 1996 and OMB Circular No. A-133, "Audits of States, Local Governments, and Non-Profit Organizations."
18. Will comply with all applicable requirements of all other Federal laws, executive orders, regulations, and policies governing this program.

SIGNATURE OF AUTHORIZED CERTIFYING OFFICIAL  Jeff Wright	TITLE Director Office of Sponsored Programs
APPLICANT ORGANIZATION The CSU, Chico Research Foundation California State University, Chico	DATE SUBMITTED 

U.S. Department of the Interior

**Certifications Regarding Debarment, Suspension and
Other Responsibility Matters, Drug-Free Workplace
Requirements and Lobbying**

Persons signing this form should refer to the regulations referenced below for complete instructions:

Certification Regarding Debarment, Suspension, and Other Responsibility Matters - Primary Covered Transactions - **The prospective primary participant further agrees by submitting this proposal that it will include the clause titled, "Certification Regarding Debarment, Suspension, Ineligibility and Voluntary Exclusion - Lower Tier Covered Transaction," provided by the department or agency entering into this covered transaction, without modification, in all lower tier covered transactions and in all solicitations for lower tier covered transactions. See below for language to be used or use this form certification and sign. (See Appendix A of Subpart D of 43 CFR Part 12.)**

Certification Regarding Debarment, Suspension, Ineligibility and Voluntary Exclusion - Lower Tier Covered Transactions - (See Appendix B of Subpart D of 43 CFR Part 12.)

Certification Regarding Drug-Free Workplace Requirements - Alternate I. (Grantees Other Than Individuals) and Alternate II. (Grantees Who are Individuals) - (See Appendix C of Subpart D of 43 CFR Part 12)

Signature on this form provides for compliance with certification requirements under 43 CFR Parts 12 and 18. The certifications shall be treated as a material representation of fact upon which reliance will be placed when the Department of the Interior determines to award the covered transaction, grant, cooperative agreement or loan.

**PART A: Certification Regarding Debarment, Suspension, and Other Responsibility Matters-
Primary Covered Transactions**

CHECK ☒ IF THIS CERTIFICATION IS FOR A PRIMARY COVERED TRANSACTION AND IS APPLICABLE.

- (1) The prospective primary participant certifies to the best of its knowledge and belief, that it and its principals:
 - (a) Are not presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded by any Federal department or agency;
 - (b) Have not within a three-year period preceding this proposal been convicted of or had a civil judgment rendered against them for commission of fraud or a criminal offense in connection with obtaining, attempting to obtain, or performing a public (Federal, State or local) transaction or contract under a public transaction; violation of Federal or State antitrust statutes or commission of embezzlement, theft, forgery, bribery, falsification or destruction of records, making false statements, or receiving stolen property;
 - (c) Are not presently indicted for or otherwise criminally or civilly charged by a governmental entity (Federal, State or local) with commission of any of the offenses enumerated in paragraph (1)(b) of this certification; and
 - (d) Have not within a three-year period preceding this application/proposal had one or more public transactions (Federal, State or local) terminated for cause or default.
- (2) Where the prospective primary participant is unable to certify to any of the statements in this certification, such prospective participant shall attach an explanation to this proposal.

**PART B: Certification Regarding Debarment, Suspension, Ineligibility and Voluntary Exclusion -
Lower Tier Covered Transactions**

CHECK ☒ IF THIS CERTIFICATION IS FOR A LOWER TIER COVERED TRANSACTION AND IS APPLICABLE.

- (1) The prospective lower tier participant certifies, by submission of this proposal, that neither it nor its principals is presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from participation in this transaction by any Federal department or agency.
- (2) Where the prospective lower tier participant is unable to certify to any of the statements in this certification, such prospective participant shall attach an explanation to this proposal.

PART C: Certification Regarding Drug-Free Workplace Requirements

CHECK X IF THIS CERTIFICATION IS FOR AN APPLICANT WHO IS NOT AN INDIVIDUAL.

Alternate I. (Grantees Other Than Individuals)

A. The grantee certifies that it will or continue to provide a drug-free workplace by:

- (a) Publishing a statement notifying employees that the unlawful manufacture, distribution, dispensing, possession, or use of a controlled substance is prohibited in the grantee's workplace and specifying the actions that will be taken against employees for violation of such prohibition;
- (b) Establishing an ongoing drug-free awareness program to inform employees about—
 - (1) The dangers of drug abuse in the workplace;
 - (2) The grantee's policy of maintaining a drug-free workplace;
 - (3) Any available drug counseling, rehabilitation, and employee assistance programs; and
 - (4) The penalties that may be imposed upon employees for drug abuse violations occurring in the workplace;
- (c) Making it a requirement that each employee to be engaged in the performance of the grant be given a copy of the statement required by paragraph (a);
- (d) Notifying the employee in the statement required by paragraph (a) that, as a condition of employment under the grant, the employee will —
 - (1) Abide by the terms of the statement; and
 - (2) Notify the employer in writing of his or her conviction for a violation of a criminal drug statute occurring in the workplace no later than five calendar days after such conviction;
- (e) Notifying the agency in writing, within ten calendar days after receiving notice under subparagraph (d)(2) from an employee or otherwise receiving actual notice of such conviction. Employers of convicted employees must provide notice, including position title, to every grant officer on whose grant activity the convicted employee was working, unless the Federal agency has designated a central point for the receipt of such notices. Notice shall include the identification number(s) of each affected grant;
- (f) Taking one of the following actions, within 30 calendar days of receiving notice under subparagraph (d)(2), with respect to any employee who is so convicted —
 - (1) Taking appropriate personnel action against such an employee, up to and including termination, consistent with the requirements of the Rehabilitation Act of 1973, as amended; or
 - (2) Requiring such employee to participate satisfactorily in a drug abuse assistance or rehabilitation program approved for such purposes by a Federal, State, or local health, law enforcement, or other appropriate agency;
- (g) Making a good faith effort to continue to maintain a drug-free workplace through implementation of paragraphs (a) (b), (c), (d), (e) and (f).

B. The grantee may insert in the space provided below the site(s) for the performance of work done in connection with the specific grant:

Place of Performance (Street address, city, county, state, zip code)

Check ___ if there are workplaces on files that are not identified here.

PART D: Certification Regarding Drug-Free Workplace Requirements

CHECK ___ IF THIS CERTIFICATION IS FOR AN APPLICANT WHO IS AN INDIVIDUAL.

Alternate II. (Grantees Who Are Individuals)

- (a) The grantee certifies that, as a condition of the grant, he or she will not engage in the unlawful manufacture, distribution, dispensing, possession, or use of a controlled substance in conducting any activity with the grant;
- (b) If convicted of a criminal drug offense resulting from a violation occurring during the conduct of any grant activity, he or she will report the conviction, in writing, within 10 calendar days of the conviction, to the grant officer or other designee, unless the Federal agency designates a central point for the receipt of such notices. When notice is made to such a central point, it shall include the identification number(s) of each affected grant.

PART E: Certification Regarding Lobbying
Certification for Contracts, Grants, Loans, and Cooperative Agreements

CHECK ☐ IF CERTIFICATION IS FOR THE AWARD OF ANY OF THE FOLLOWING AND THE AMOUNT EXCEEDS \$100,000: A FEDERAL GRANT OR COOPERATIVE AGREEMENT; SUBCONTRACT, OR SUBGRANT UNDER THE GRANT OR COOPERATIVE AGREEMENT.

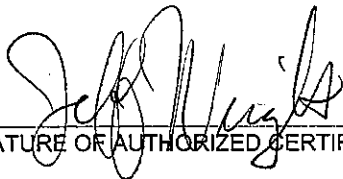
CHECK ☐ IF CERTIFICATION FOR THE AWARD OF A FEDERAL LOAN EXCEEDING THE AMOUNT OF \$150,000, OR A SUBGRANT OR SUBCONTRACT EXCEEDING \$100,000, UNDER THE LOAN.

The undersigned certifies, to the best of his or her knowledge and belief, that:

- (1) No Federal appropriated funds have been paid or will be paid, by or on behalf of the undersigned, to any person for influencing or attempting to influence an officer or employee of an agency, a Member of Congress, and officer or employee of Congress, or an employee of a Member of Congress in connection with the awarding of any Federal contract, the making of any Federal grant, the making of any Federal loan, the entering into of any cooperative agreement, and the extension, continuation, renewal, amendment, or modification of any Federal contract, grant, loan, or cooperative agreement.
- (2) If any funds other than Federal appropriated funds have been paid or will be paid to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with this Federal contract, grant, loan, or cooperative agreement, the undersigned shall complete and submit Standard Form-LLL, "Disclosure Form to Report Lobbying," in accordance with its instructions.
- (3) The undersigned shall require that the language of this certification be included in the award documents for all subawards at all tiers (including subcontracts, subgrants, and contracts under grants, loans, and cooperative agreements) and that all subrecipients shall certify accordingly.

This certification is a material representation of fact upon which reliance was placed when this transaction was made or entered into. Submission of this certification is a prerequisite for making or entering into this transaction imposed by Section 1352, title 31, U.S. Code. Any person who fails to file the required certification shall be subject to a civil penalty of not less than \$10,000 and not more than \$100,000 for each such failure.


As the authorized certifying official, I hereby certify that the above specified certifications are true.



SIGNATURE OF AUTHORIZED CERTIFYING OFFICIAL

Jeff Wright, Director Office of Sponsored Programs

TYPED NAME AND TITLE



DATE

Environmental Compliance Checklist

All applicants must fill out this Environmental Compliance Checklist. Applications must contain answers to the following questions to be responsive and to be considered for funding. Failure to answer these questions and include them with the application will result in the application being considered nonresponsive and not considered for funding.

1. Do any of the actions included in the proposal require compliance with either the California Environmental Quality Act (CEQA), the National Environmental Policy Act (NEPA), or both?

☐ YES

☒ NO

2. If you answered yes to # 1, identify the lead governmental agency for CEQA/NEPA compliance.

Lead Agency

3. If you answered no to # 1, explain why CEQA/NEPA compliance is not required for the actions in the proposal.

4. If CEQA/NEPA compliance is required, describe how the project will comply with either or both of these laws. Describe where the project is in the compliance process and the expected date of completion.

5. Will the applicant require access across public or private property that the applicant does not own to accomplish the activities in the proposal?

☐ YES

☒ NO

If yes, the applicant must attach written permission for access from the relevant property owner(s). Failure to include written permission for access may result in disqualification of the proposal during the review process. Research and monitoring field projects for which specific field locations have not been identified will be required to provide access needs and permission for access with 30 days of notification of approval.

6. Please indicate what permits or other approvals may be required for the activities contained in your proposal. Check all boxes that apply.

LOCAL

Conditional use permit	-
Variance	-
Subdivision Map Act approval	-
Grading permit	-
General plan amendment	-
Specific plan approval	-
Rezone	-
Williamson Act Contract cancellation	-
Other _____ (please specify)	
None required	<u>X</u>

STATE

CESA Compliance	-	(CDFG)
Streambed alteration permit	-	(CDFG)
CWA § 401 certification	-	(RWQCB)
Coastal development permit	-	(Coastal Commission/BCDC)
Reclamation Board approval	-	
Notification	-	(DPC, BCDC)
Other _____ (please specify)		
None required	<u>X</u>	

FEDERAL

ESA Consultation	-	(USFWS)
Rivers & Harbors Act permit	-	(ACOE)
CWA § 404 permit	-	(ACOE)
Other _____ (please specify)		
None required	<u>X</u>	

DPC = Delta Protection Commission
CWA = Clean Water Act
CESA = California Endangered Species Act
USFWS = U.S. Fish and Wildlife Service
ACOE = U.S. Army Corps of Engineers

ESA = Endangered Species Act
CDFG = California Department of Fish and Game
RWQCB = Regional Water Quality Control Board
BCDC = Bay Conservation and Development Comm.

Land Use Checklist

All applicants must fill out this Land Use Checklist for their proposal. Applications must contain answers to the following questions to be responsive and to be considered for funding. Failure to answer these questions and include them with the application will result in the application being considered nonresponsive and not considered for funding.

1. Do the actions in the proposal involve physical changes to the land(i.e., grading, planting vegetation, or breeching levees) or restrictions in land use (i.e., conservation easement or placement of land in a wildlife refuge)?

☐ YES

☒ NO

2. If NO to # 1, explain what type of actions are involved in the proposal (i.e., research only, planning only).

3. If YES to # 1, what is the proposed land use change or restriction under the proposal?

4. If YES to # 1, is the land currently under a Williamson Act contract?

☐ YES

☐ NO

5. If YES to # 1, answer the following:

Current land use

Current zoning

Current general plan designation

6. If YES to #1, is the land classified as Prime Farmland, Farmland of Statewide Importance or Unique Farmland on the Department of Conservation Important Farmland Maps?

☐ YES

☐ NO

☐ DON'T KNOW

7. If YES to # 1, how many acres of land will be subject to physical change or land use restrictions under the proposal?

8. If YES to # 1, is the property currently being commercially farmed or grazed?

☐ YES

☐ NO

9. If YES to #8, what are

the number of employees/acre _____

the total number of employees _____

10. Will the applicant acquire any interest in land under the proposal (fee title or a conservation easement)?

☐ YES

☒ NO

11. What entity/organization will hold the interest? _____

12. If YES to # 10, answer the following:

Total number of acres to be acquired under proposal _____

Number of acres to be acquired in fee _____

Number of acres to be subject to conservation easement _____

13. For all proposals involving physical changes to the land or restriction in land use, describe what entity or organization will:

manage the property _____

provide operations and maintenance services _____

conduct monitoring _____

14. For land acquisitions (fee title or easements), will existing water rights also be acquired?

☒ YES

☐ NO

15. Does the applicant propose any modifications to the water right or change in the delivery of the water?

☐ YES

☒ NO

16. If YES to # 15, describe _____

